

Table of Contents

Page

VOLUME 1

I. SUMMARY	I-1
II. PROJECT DESCRIPTION	II-1
III. ENVIRONMENTAL SETTING	III-1
A. Overview of Environmental Setting	III-1
B. Basis for Cumulative Impact Analysis.....	III-7
IV. ENVIRONMENTAL IMPACT ANALYSIS	IV.A-1
A. Land Use Planning	IV.A-1
B.1 Transportation	IV.B.1-1
B.2. Parking	IV.B.2-1
B.3 Pedestrian Circulation and Bicycle and Pedestrian Safety	IV.B.3-1

VOLUME 2

C. Aesthetics/Visual Resources.....	IV.C-1
D.1. Natural Light (Shading)	IV.D.1-1
D.2 Artificial Light and Glare	IV.D.2-1
E. Noise	IV.E-1
F.1 Air Quality	IV.F.1-1
F.2 Air Quality—Climate Change	IV.F.2-1
G. Geology and Soils	IV.G-1
H.1 Water Resources—Hydrology and Surface Water Quality	IV.H.1-1
H.2 Water Resources—Groundwater	IV.H.2-1

VOLUME 3

I.1. Cultural Resources—Historical Resources	IV.I.1-1
I.2. Cultural Resources—Archaeological Resources	IV.I.2-1
J.1 Public Services—Police Protection	IV.J.1-1
J.2 Public Services—Fire Protection.....	IV.J.2-1
K.1 Utilities—Water.....	IV.K.1-1
K.2 Utilities—Wastewater	IV.K.2-1

	<u>Page</u>
K.3. Utilities—Solid Waste	IV.K.3-1
K.4 Utilities—Electricity	IV.K.4-1
K.5 Utilities—Natural Gas	IV.K.5-1
L. Environmental Hazards.....	IV.L-1
V. ALTERNATIVES.....	V-1
A. Introduction/Methodology	V-1
B. Alternative 1: No Project (Status Quo).....	V-25
C. Alternative 2: No Project—Buildout Per Existing Approvals	V-41
D. Alternative 3: Reduced Intensity Alternative	V-75
E. Alternative 4: Enclosed Stadium Alternative	V-106
F. Alternative 5: New Hotel and Expansion Alternative.....	V-114
G. Alternative 6: Maximum Convention Center Alternative	V-148
H. Alternative 7: Rehabilitation of West Hall and Limited Expansion Alternative	V-183
VI. OTHER CEQA CONSIDERATIONS	VI-1
VII. REFERENCES.....	VII-1
VIII. LIST OF PREPARERS/ORGANIZATIONS AND PERSONS CONTACTED	VIII-1
IX. ACRONYMS AND ABBREVIATIONS	IX-1

List of Appendices

VOLUME 4

- Appendix A Convention and Event Center Specific Plan
- Appendix B Initial Study/NOP/NOP Comments
- Appendix C Senate Bill 292
 - C.1 Senate Bill 292: Public Resources Code Section 21168.6.5
 - C.2 Applicants' Notice to Proceed Under SB 292
- Appendix D Proposed Convention and Event Center Sign Regulations
- Appendix E Environmental Sustainability Program for New Hall and Event Center
- Appendix F Convention and Event Center Project Activity Forecast
- Appendix G Regulatory Framework
- Appendix H AEG Special Event Center Market Impacts

VOLUME 5

- Appendix I Convention Center Modernization and Farmers Field Project EIR Transportation Study and Related Documents
 - I.1 EIR Transportation Study

VOLUME 6

- Appendix I Convention Center Modernization and Farmers Field Project EIR Transportation Study and Related Documents
 - I.1 EIR Transportation Study (Continued)

VOLUME 7

Appendix I	Convention Center Modernization and Farmers Field Project EIR Transportation Study and Related Documents
I.1	EIR Transportation Study (Continued)

VOLUME 8

Appendix I	Convention Center Modernization and Farmers Field Project EIR Transportation Study and Related Documents
I.1	EIR Transportation Study (Continued)
I.2	LADOT Traffic Study Approval Letter
I.3	Analysis of Proposed Pico Station Improvements
Appendix J	Existing Plus Project Analysis
Appendix K	AEG Convention and Event Center Project EIR Lighting Technical Report

VOLUME 9

Appendix L	Noise Impact Study—Convention Center Modernization & Farmers Field Project
------------	--

VOLUME 10

Appendix L	Noise Impact Study—Convention Center Modernization & Farmers Field Project (Continued)
------------	--

VOLUME 11

Appendix M	Air Quality and Greenhouse Gas Worksheets—Convention and Event Center Specific Plan Draft EIR
M.1	Air Quality Worksheets

VOLUME 12

Appendix M Air Quality and Greenhouse Gas Worksheets—Convention and Event Center Specific Plan Draft EIR

M.1 Air Quality Worksheets (Continued)

VOLUME 13

Appendix M Air Quality and Greenhouse Gas Worksheets—Convention and Event Center Specific Plan Draft EIR

M.1 Air Quality Worksheets (Continued)

M.2 Greenhouse Gas Worksheets

VOLUME 14

Appendix N Report of Geotechnical Investigation for Environmental Impact Report

Appendix O Convention and Event Center Project Hydrology Technical Report

Appendix P Convention and Event Center Project Surface Water Quality System Technical Report

Appendix Q Convention and Event Center Project Groundwater Level Technical Report

Appendix R Convention and Event Center Project Groundwater Quality Technical Report

Appendix S The Convention and Event Center 1201 South Figueroa Street, Los Angeles, CA, Historical Resource Assessment

Appendix T Archaeological Resource Inventory and Impact Assessment Technical Report

Appendix U Public Service Letters

VOLUME 15

Appendix V	Water Supply Assessment for the Convention and Event Center Project
Appendix W	Convention and Event Center Project Water System Technical Report
Appendix X	Convention and Event Center Project Wastewater System Technical Report
Appendix Y	Convention and Event Center Project Electrical System Technical Report
Appendix Z	Convention and Event Center Project Natural Gas System Technical Report

VOLUME 16

Appendix AA	Phase I Environmental Site Assessment Report–Convention and Event Center Project
-------------	--

VOLUME 17

Appendix AA	Phase I Environmental Site Assessment Report–Convention and Event Center Project (Continued)
-------------	--

List of Figures

<u>Figure</u>	<u>Page</u>
II-1	Regional Vicinity Map II-2
II-2	Project Location Map II-3
II-3	Existing Site Plan II-4
II-4	Aerial View of Project Site II-6
II-5	Proposed Site Plan II-7
II-6	Location of Proposed Add Areas II-9
II-7	On-Site Parking Facilities Existing Conditions and Proposed Project..... II-11
II-8	Central City Community Plan Land Use Map..... II-22
II-9	Zoning Map..... II-23
II-10	Event Center Pedestrian Access and Vertical Circulation II-30
II-11	Conceptual North Elevation II-31
II-12	Conceptual South Elevation II-32
II-13	Conceptual East Elevation..... II-33
II-14	Conceptual West Elevation..... II-34
II-15	New Hall Exhibition Level Plan II-37
II-16	New Hall Meeting Room Level Plan II-39
II-17	Gilbert Lindsay Plaza Illustrative Plan..... II-42
II-18	Pico Passage..... II-43
II-19	Pico Passage—Pedestrian Circulation II-44
II-20	Proposed Project Streetscape Improvements II-46
II-21	Convention and Event Center Specific Plan Subarea—Ground Level..... II-48
II-22	Convention and Event Center Specific Plan Subarea—Above Grade II-49
II-23	Proposed Project Signage Districts II-54
II-24	Proposed Sign Locations and Sign Types II-56
II-25	Location of Proposed Street Vacations..... II-58

<u>Figure</u>	<u>Page</u>
II-26	Location of Phase 1 Project Components..... II-61
II-27	Location of Phase 2 Project Components..... II-62
III-1	Location of Related Projects III-20
IV.A-1	Regional Vicinity Map IV.A-2
IV.A-2	Project Location Map IV.A-3
IV.A-3	Aerial View of Project Site IV.A-4
IV.A-4	Existing On-Site Land Uses IV.A-6
IV.A-5	Surrounding Land Uses IV.A-9
IV.A-6	City 2010 Bicycle Plan IV.A-11
IV.B.1-1	Regional Transportation Context—Roadways and Transit IV.B.1-296
IV.B.1-2	Existing Access..... IV.B.1-297
IV.B.1-3	Los Angeles County Rail Transit..... IV.B.1-298
IV.B.1-4	Southern California Metrolink Service..... IV.B.1-299
IV.B.1-5	Transit Routes in the Project Area IV.B.1-300
IV.B.1-6	Downtown DASH System IV.B.1-301
IV.B.1-7	Study Intersections IV.B.1-302
IV.B.1-8	Freeway Segment Analysis Locations IV.B.1-303
IV.B.1-9	Freeway Off-Ramp Locations IV.B.1-304
IV.B.1-10	Freeway On-Ramp Locations IV.B.1-305
IV.B.1-11	Future Access..... IV.B.1-306
IV.B.1-12	Project Trip Distribution—Weekday IV.B.1-307
IV.B.1-13	Project Trip Distribution—Weekend..... IV.B.1-308
IV.B.1-14	Future with Project—Significant Impact Locations: Sunday Pre-Event Hour (12:00–1:00 P.M.) IV.B.1-309
IV.B.1-15	Future with Project—Significant Impact Locations: Sunday Post-Event Hour (4:30–5:30 P.M.) IV.B.1-310
IV.B.1-16	Future with Project—Significant Impact Locations: Saturday Pre-Event Hour (12:00–1:00 P.M.) IV.B.1-311

<u>Figure</u>	<u>Page</u>
IV.B.1-17 Future with Project—Significant Impact Locations: Saturday Post-Event Hour (4:30–5:30 P.M.)	IV.B.1-312
IV.B.1-18 Future with Project—Significant Impact Locations: Weekday Evening Pre-Event Hour (4:30–5:30 P.M.)	IV.B.1-313
IV.B.1-19 Future with Project—Significant Impact Locations: Weekday Evening Post-Event Hour (9:00–10:00 P.M.)	IV.B.1-314
IV.B.1-20 Future with Project—LACC Dark, Significant Impact Locations: Sunday Pre-Event Hour (12:00–1:00 P.M.)	IV.B.1-315
IV.B.1-21 Future with Project—LACC Dark, Significant Impact Locations: Sunday Post-Event Hour (4:30–5:30 P.M.)	IV.B.1-316
IV.B.1-22 Future with Project—LACC Dark, Significant Impact Locations: Saturday Pre-Event Hour (12:00–1:00 P.M.)	IV.B.1-317
IV.B.1-23 Future with Project—LACC Dark, Significant Impact Locations: Saturday Post-Event Hour (4:30–5:30 P.M.)	IV.B.1-318
IV.B.1-24 Future with Project—LACC Dark, Significant Impact Locations: Weekday Evening Pre-Event Hour (4:30–5:30 P.M.)	IV.B.1-319
IV.B.1-25 Future with Project—LACC Dark, Significant Impact Locations: Weekday Evening Post-Event Hour (9:00–10:00 P.M.)	IV.B.1-320
IV.B.1-26 Pico-Union Area—Street Classifications	IV.B.1-321
IV.B.2-1 Future with Project Parking Supply	IV.B.2-4
IV.B.2-2 Parking Locations	IV.B.2-13
IV.B.3-1 Project Site Existing Conditions	IV.B.3-3
IV.B.3-2 Existing Project Site Access	IV.B.3-4
IV.B.3-3 Pedestrian Flow Diagram	IV.B.3-9
IV.B.3-4 Event Street Closures	IV.B.3-12
IV.B.3-5 Project Site Proposed Access	IV.B.3-13
IV.B.3-6 Future With Project—Pedestrian Sidewalk Level of Service—Weekend Day Pre-Event Hour (12:00–1:00 P.M.)	IV.B.3-23
IV.B.3-7 Future With Project—Pedestrian Sidewalk Level of Service—Weekend Day Post Event Hour (4:30–5:30 P.M.)	IV.B.3-24

<u>Figure</u>	<u>Page</u>
IV.B.3-8 Future With Project—Pedestrian Sidewalk Level of Service—Weekday Evening Pre-Event Hour (4:30–5:30 P.M.).....	IV.B.3-30
IV.B.3-9 Future With Project—Pedestrian Sidewalk Level of Service—Weekday Evening Post Event Hour (9:00–10:00 P.M.)	IV.B.3-31
IV.C-1 Photo Location Map.....	IV.C-12
IV.C-2 View from SR-110 Freeway Southbound.....	IV.C-13
IV.C-3 View Along Chick Hearn Court Looking West.....	IV.C-14
IV.C-4 View Along Figueroa Street Looking South	IV.C-15
IV.C-5 View Along Pico Boulevard Looking West	IV.C-16
IV.C-6 View Along Figueroa Street Looking North	IV.C-17
IV.C-7 View from I-10 Freeway Westbound.....	IV.C-18
IV.C-8 View from I-10 Freeway Eastbound	IV.C-19
IV.C-9 View from SR-110 Freeway Northbound	IV.C-20
IV.C-10 View Along Pico Boulevard Looking East	IV.C-21
IV.C-11 View from 12th Street at Albany Street Looking East	IV.C-22
IV.C-12 View from Grand Avenue near 12th Street Looking West	IV.C-26
IV.C-13 View from Grand Avenue near 8th Street Looking Southwest.....	IV.C-27
IV.C-14 View from 11th Street near Hope Street Looking Southwest.....	IV.C-28
IV.C-15 View from Olympic Boulevard near Flower Street Looking Southwest	IV.C-29
IV.C-16 View from Olympic Boulevard near Georgia Street Looking South.....	IV.C-30
IV.C-17 Simulated Aerial View	IV.C-36
IV.D.1-1 Map of Shade-Sensitive Uses in Area of Potential Impact.....	IV.D.1-4
IV.D.1-2 Shadow Diagram	IV.D.1-7
IV.D.1-3 Shadow Diagram	IV.D.1-8
IV.D.1-4 Shadow Diagram	IV.D.1-9
IV.D.1-5 Shadow Diagram	IV.D.1-10
IV.D.1-6 Shadow Diagram	IV.D.1-11
IV.D.1-7 Shadow Diagram	IV.D.1-12

<u>Figure</u>	<u>Page</u>
IV.D.1-8 Shadow Diagram	IV.D.1-13
IV.D.1-9 Shadow Diagram	IV.D.1-14
IV.D.1-10 Shadow Diagram	IV.D.1-15
IV.D.1-11 Shadow Diagram	IV.D.1-16
IV.D.1-12 Shadow Diagram	IV.D.1-17
IV.D.1-13 Shadow Diagram	IV.D.1-18
IV.D.1-14 Shadow Diagram	IV.D.1-19
IV.D.1-15 Shadow Diagram	IV.D.1-20
IV.D.1-16 Shadow Diagram	IV.D.1-21
IV.D.1-17 Shadow Diagram	IV.D.1-22
IV.D.1-18 Shadow Diagram	IV.D.1-23
IV.D.1-19 Shadow Diagram	IV.D.1-24
IV.D.1-20 Shadow Diagram	IV.D.1-25
IV.D.2-1 Map of Artificial Light Receptor Locations.....	IV.D.2-7
IV.D.2-2 Aiming Restrictions for Sky-Tracker Searchlights	IV.D.2-22
IV.D.2-3 Views of the Event Center With Implementation of the Event Center Architectural Project Design Features	IV.D.2-25
IV.D.2-4 Light Trespass at Project Site Boundary With and Without Implementation of Architectural Lighting and Luminaire Project Design Features	IV.D.2-26
IV.D.2-5 Light Trespass at Project Site Boundary With and Without Implementation of Illuminated Signage Project Design Features.....	IV.D.2-28
IV.D.2-6 Incremental Change to Measured Illuminance Levels at Receptor Locations With Cloud Cover at Varying Heights	IV.D.2-36
IV.E-1 Noise Monitoring Locations.....	IV.E-120
IV.F.1-1 SCAQMD Source Receptor Areas.....	IV.F.1-10
IV.F.1-2 MATES III Total Cancer Risk for Project Area	IV.F.1-13
IV.F.1-3 Map of Sensitive Receptors in Area of Potential Impact.....	IV.F.1-14
IV.G-1 Regional Faults and Seismicity Map.....	IV.G-3

<u>Figure</u>	<u>Page</u>
IV.H.1-1 Santa Monica Bay Watershed Management Area	IV.H.1-4
IV.H.1-2 Subwatersheds and Catchment Areas of the Santa Monica Bay Watershed Management Area	IV.H.1-5
IV.H.1-3 Ballona Creek Watershed	IV.H.1-6
IV.H.1-4 Existing Hydrology and Storm Drain System	IV.H.1-9
IV.H.1-5 Existing On-Site Hydrology	IV.H.1-11
IV.H.1-6 Proposed On-Site Hydrology	IV.H.1-22
IV.H.2-1 Los Angeles Coastal Groundwater Basins	IV.H.2-3
IV.I.1-1 West Hall—West Elevation (left) and South Elevation (right), view north ...	IV.I.1-4
IV.I.1-2 West Hall—South Elevation, view Northeast	IV.I.1-5
IV.I.1-3 West Hall—North Elevation, view southeast from the podium	IV.I.1-6
IV.I.1-4 South Hall—North and West Elevations, view southeast.....	IV.I.1-8
IV.I.1-5 South Hall—Northwest Elevation Entry Tower, view southwest	IV.I.1-9
IV.I.1-6 Concourse Building—East Elevation, view south	IV.I.1-10
IV.I.2-1 Portions of the Project Site with Possible Archaeological Sensitivity	IV.I.2-4
IV.J.1-1 Community Police Station Service Areas	IV.J.1-4
IV.J.1-2 Other Planned Development in Central Los Angeles.....	IV.J.1-26
IV.J.2-1 City Fire Protection Facilities in the Proposed Project Vicinity	IV.J.2-2
IV.K.1-1 Existing Water Infrastructure in the Project Vicinity	IV.K.1-31
IV.K.1-2 City of Los Angeles Water Distribution System.....	IV.K.1-32
IV.K.2-1 Existing Sanitary Sewer Lines	IV.K.2-4
IV.K.2-2 Proposed Wastewater Discharge Routes	IV.K.2-19
IV.K.3-1 County of Los Angeles Landfills.....	IV.K.3-5
IV.K.4-1 Project Site Existing Electrical Infrastructure	IV.K.4-5
IV.K.5-1 Existing Natural Gas Lines in Project Area	IV.K.5-4
IV.L-1 Boundaries of Historic Site Areas	IV.L-3
IV.L-2 Historic Aerial Map of Project Site	IV.L-4

List of Tables

<u>Table</u>	<u>Page</u>
II-1	Development Program Overview (Gross Area—Square Feet) II-12
II-2	Development Program Overview (Floor Area—Square Feet)..... II-13
II-3	Comparison of Existing and Proposed Exhibit Hall and Meeting Room Space (Renarea—Square Feet) II-13
II-4	Event Center Development Program Overview II-29
II-5	Comparison of Existing West Hall and Proposed New Hall (Floor Area—Square Feet)..... II-36
II-6	Overview of Concurrent On-Site and L.A. LIVE Events II-59
III-1	List of Related Projects III-10
IV.A-1	Project Consistency with the SCAG Blueprint Compass Growth Vision IV.A-28
IV.A-2	Project Consistency with SCAG Regional Transportation Plan Goals IV.A-34
IV.A-3	Convention and Event Center Employment Forecast IV.A-37
IV.A-4	Project Employment Compared with Adopted SCAG Employment Forecasts IV.A-41
IV.B.1-1	Summary of Public Transit Service Operations In Vicinity of Project Area IV.B.1-192
IV.B.1-2	Level of Service Definitions for Signalized Intersections..... IV.B.1-194
IV.B.1-3	Freeway Growth Factors 2011–2017..... IV.B.1-195
IV.B.1-4	Level of Service Definitions for Freeway Segments..... IV.B.1-196
IV.B.1-5	Transit Vehicle Capacities IV.B.1-197
IV.B.1-6	Future without Project Intersection Level of Service Sunday Day Pre- Event Hour (12:00–1:00 P.M.) and Post-Event Hour (4:30–5:30 P.M.) . IV.B.1-198
IV.B.1-7	Future without Project Intersection Level of Service Saturday Day Pre- Event Hour (12:00–1:00 P.M.) and Post-Event Hour (4:30–5:30 P.M.) . IV.B.1-204
IV.B.1-8	Future without Project Intersection Level of Service Weekday Evening Pre-Event Hour (4:30–5:30 P.M.) and Post-Event Hour (9:00–10:00 P.M.) IV.B.1-210

<u>Table</u>	<u>Page</u>
IV.B.1-9 Event Center Project Trip Generation.....	IV.B.1-216
IV.B.1-10 Proposed Project—Total Trip Generation.....	IV.B.1-217
IV.B.1-11 Project Impact Summary (Without Mitigation).....	IV.B.1-218
IV.B.1-12 Future with Project—Intersection Level of Service Sunday Day Pre- Event Hour (12:00–1:00 P.M.) and Post-Event Hour (4:30–5:30 P.M.) .	IV.B.1-225
IV.B.1-13 Future with Project—Intersection Level of Service Saturday Day Pre- Event Hour (12:00–1:00 P.M.) and Post-Event Hour (4:30–5:30 P.M.) .	IV.B.1-239
IV.B.1-14 Future with Project—Intersection Level of Service Weekday Evening Pre-Event Hour (4:30–5:30 P.M.) and Post-Event Hour (9:00–10:00 P.M.)	IV.B.1-253
IV.B.1-15 Project Impact Summary—Future with Project Compared to LACC Dark Conditions	IV.B.1-260
IV.B.1-16 Future with Project with LACC Dark—Intersection Level of Service Sunday Day Pre-Event Hour (12:00–1:00 P.M.) and Post-Event Hour (4:30–5:30 P.M.)	IV.B.1-267
IV.B.1-17 Future with Project with LACC Dark Saturday Day Pre-Event Hour (12:00–1:00 P.M.) and Post-Event Hour (4:30–5:30 P.M.)	IV.B.1-273
IV.B.1-18 Future with Project with LACC Dark—Intersection Level of Service Weekday Evening Pre-Event Hour (4:30–5:30 P.M.) and Post-Event Hour (9:00–10:00 P.M.)	IV.B.1-279
IV.B.1-19 Future with Project 2017—Summary of Pico-Union Neighborhood Traffic Analysis	IV.B.1-286
IV.B.1-20 Intersection Locations Where V/C Credit Applied for Proposed Atsac Intersection Improvements	IV.B.1-288
IV.B.1-21 Future with Project with Mitigation—Impacted Intersection Summary ...	IV.B.1-291
IV.B.1-22 Future with Project with Mitigation—Sunday Day Impacted Intersection Summary	IV.B.1-292
IV.B.1-23 Future with Project with Mitigation—Saturday Day Impacted Intersection Summary	IV.B.1-293
IV.B.1-24 Future with Project with Mitigation—Weekday Evening Impacted Intersection Summary	IV.B.1-294

<u>Table</u>	<u>Page</u>
IV.B.1-25 Additional Transit Service to Meet Policy Load Factors Number of Additional Rail Cars/Buses—Future with Project	IV.B.1-295
IV.B.2-1 Existing Parking Supply On- and Off-Site	IV.B.2-3
IV.B.2-2 Existing Parking Supply by Walking Distance	IV.B.2-5
IV.B.2-3 Existing Parking Supply Occupancy Pre-Event Hour	IV.B.2-7
IV.B.2-4 Overview of Concurrent On-Site Events	IV.B.2-10
IV.B.2-5 Existing and Proposed On-Site Parking Spaces	IV.B.2-12
IV.B.2-6 Parking Demand and Supply Analysis	IV.B.2-14
IV.B.2-7 Parking Demand and Supply Comparison Weekday Evening Event with Concurrent Auto Show	IV.B.2-16
IV.B.3-1 Pedestrian Level of Service Criteria for Sidewalks	IV.B.3-7
IV.B.3-2 Future with Project Pedestrian Sidewalk Level of Service—Weekend Day: Pre-Event Hour (12:00 P.M.–1:00 P.M.) and Weekend Day: Post-Event Hour (4:30 P.M.–5:30 P.M.)	IV.B.3-18
IV.B.3-3 Future with Project Pedestrian Sidewalk Level of Service—Weekday Evening: Pre-Event Hour (4:30 P.M.–5:30 P.M.) and Weekday Evening: Post-Event Hour (9:00 P.M.–10:00 P.M.)	IV.B.3-25
IV.D.2-1 Proposed Project Predicted Illuminance (Spill Light) Values at Receptor Locations	IV.D.2-31
IV.E-1 Typical Noise Levels	IV.E-46
IV.E-2 City of Los Angeles Presumed Ambient Noise Levels	IV.E-47
IV.E-3 City of Los Angeles Land Use Compatibility for Community Noise	IV.E-48
IV.E-4 Fta Construction Vibration Damage Criteria	IV.E-49
IV.E-5 Fta Ground-Borne Vibration Criteria for Sensitive Uses	IV.E-49
IV.E-6 Description of Noise Measurement Locations	IV.E-50
IV.E-7 Existing Ambient Noise Levels	IV.E-52
IV.E-8 Existing Roadway Traffic Noise Levels	IV.E-59
IV.E-9 Noise Emission Reference Levels and Usage Factors	IV.E-63
IV.E-10 Construction Noise Levels—Bond Street Garage	IV.E-64
IV.E-11 Construction Noise Levels—New Hall	IV.E-66

<u>Table</u>	<u>Page</u>
IV.E-12 Construction Noise Levels—L.A. Live Way Garage.....	IV.E-68
IV.E-13 Construction Noise Levels—Event Center.....	IV.E-70
IV.E-14 Overlapping Construction Noise Levels—Daytime Hours (7:00 A.M.— 9:00 P.M.)	IV.E-72
IV.E-15 Overlapping Construction Noise Levels—Late Evening Hours (9:00 P.M.—12:00 A.M.).....	IV.E-74
IV.E-16 Off-Site Construction Truck Volumes.....	IV.E-76
IV.E-17 Off-Site Construction Truck Noise Levels—Option 1	IV.E-77
IV.E-18 Off-Site Construction Truck Noise Levels—Option 2	IV.E-79
IV.E-19 Off-Site Construction Truck Noise Levels—Option 3	IV.E-81
IV.E-20 Off-Site Construction Truck Noise Levels—Option 4	IV.E-83
IV.E-21 Construction Staging Noise Levels	IV.E-85
IV.E-22 Pico Station Construction Noise Levels	IV.E-86
IV.E-23 Composite Construction Noise Levels—Bond Street Garage.....	IV.E-87
IV.E-24 Composite Construction Noise Levels—New Hall	IV.E-89
IV.E-25 Composite Construction Noise Levels—L.A. Live Way Garage.....	IV.E-91
IV.E-26 Composite Construction Noise Levels—Event Center.....	IV.E-93
IV.E-27 Overlapping Composite Construction Noise Levels—Daytime Hours (7:00 A.M.—9:00 P.M.).....	IV.E-95
IV.E-28 Overlapping Composite Construction Noise Levels—Late Evening Hours (9:00 P.M.—12:00 A.M.)	IV.E-97
IV.E-29 Construction Vibration Impacts—Building Damage	IV.E-99
IV.E-30 Construction Vibration Impacts—Sensitive Uses.....	IV.E-100
IV.E-31 Building Mechanical Equipment Noise Levels	IV.E-101
IV.E-32 Parking Operations Noise Levels.....	IV.E-102
IV.E-33 Loading Dock and Refuse Collection Operations Noise Levels	IV.E-103
IV.E-34 Convention Center Buses Noise Levels	IV.E-104
IV.E-35 Outdoor Plazas Noise Levels.....	IV.E-105
IV.E-36 Event Center—Sports Event Noise Levels	IV.E-106

<u>Table</u>	<u>Page</u>
IV.E-37 Event Center—Concert Event Noise Levels	IV.E-107
IV.E-38 Firework Display Noise Levels.....	IV.E-108
IV.E-39 Off-Site Roadway Traffic Noise Impacts	IV.E-109
IV.E-40 Off-Site Transit Noise Impacts	IV.E-112
IV.E-41 Composite Operation Noise Levels—Without Firework Show	IV.E-113
IV.E-42 Composite Operation Noise Levels—With Firework Show	IV.E-115
IV.E-43 Cumulative Off-Site Roadway Traffic Noise Impacts	IV.E-117
IV.F.1-1 Ambient Air Quality Standards.....	IV.F.1-3
IV.F.1-2 Summary of Ambient Air Quality In the Project Site Vicinity	IV.F.1-11
IV.F.1-3 Estimated Maximum Daily Regional Operational Criteria Pollutant Emissions— Existing Project Site Land Uses—2011(Pounds Per Day) ..	IV.F.1-16
IV.F.1-4 Construction Phasing Assumptions	IV.F.1-33
IV.F.1-5 Unmitigated Proposed Project—Estimate of Maximum Daily Construction Emissions (Pounds Per Day)	IV.F.1-34
IV.F.1-6 Unmitigated Proposed Project—Estimate of Maximum Daily Localized Construction Emissions (Pounds Per Day)	IV.F.1-36
IV.F.1-7 Unmitigated Maximum Daily Regional Operational Emissions— Buildout In Year 2017 (Pounds Per Day)	IV.F.1-41
IV.F.1-8 Unmitigated Maximum Daily Localized Operational Emissions— Buildout In Year 2017 (Pounds Per Day)	IV.F.1-44
IV.F.1-9 Maximum Ambient Operation NO ₂ Impacts	IV.F.1-47
IV.F.1-10 Maximum Ambient Operation PM ₁₀ and PM _{2.5} Impacts	IV.F.1-50
IV.F.1-11 Local Area Carbon Monoxide Dispersion Analysis	IV.F.1-53
IV.F.1-12 Local Area Parking Structure Carbon Monoxide Dispersion Analysis.....	IV.F.1-57
IV.F.1-13 Operational Emissions Health Risk Assessment	IV.F.1-59
IV.F.1-14 Concurrent Operation and Construction Emissions(Pounds Per Day).....	IV.F.1-60
IV.F.1-15 Mitigated Proposed Project—Estimate of Construction Emissions (Pounds Per Day)	IV.F.1-75
IV.F.1-16 Mitigated Proposed Project—Estimate of Localized Construction Emissions (Pounds Per Day)	IV.F.1-77

<u>Table</u>	<u>Page</u>
IV.F.1-17 Mitigated Proposed Project—Maximum Ambient Construction NO ₂ Pollutant Impacts	IV.F.1-79
IV.F.1-18 Concurrent Operation and Construction Emissions (Pounds Per Day)....	IV.F.1-84
IV.F.2-1 Description of Identified Greenhouse Gases	IV.F.2-3
IV.F.2-2 Atmospheric Lifetimes and Global Warming Potentials	IV.F.2-4
IV.F.2-3 California GHG Inventory (Million Metric Tons CO ₂ e)	IV.F.2-6
IV.F.2-4 Existing Project Site Annual GHG Emissions Summary	IV.F.2-9
IV.F.2-5 Construction Related Emissions (Metric Tons of CO ₂ e)	IV.F.2-24
IV.F.2-6 Project-Related Patron Annual Trip Generation and Vehicle Miles Traveled.....	IV.F.2-25
IV.F.2-7 Project-Related Employee Annual Trip Generation and Vehicle Miles Traveled.....	IV.F.2-28
IV.F.2-8 Annual Ghg Emissions Summary (Metric Tons of Carbon Dioxide Equivalent).....	IV.F.2-31
IV.G-1 Major Named Faults Considered to Be Active In Southern California.....	IV.G-4
IV.G-2 Major Named Faults Considered to Be Potentially Active In Southern California	IV.G-5
IV.G-3 List of Selected Major Historic Earthquakes In Southern California Since 1933.....	IV.G-13
IV.H.1-1 Existing 50-Year Storm Event Flow Rate.....	IV.H.1-12
IV.H.1-2 Post-Project 50-Year Storm Event Flow Rate.....	IV.H.1-21
IV.H.1-3 Anticipated and Potential Pollutants Generated by On-Site Land Uses...	IV.H.1-25
IV.H.1-4 Efficiency of Treatment Control Bmps by Target Pollutant	IV.H.1-27
IV.J.1-1 Police Stations Serving Project Area	IV.J.1-3
IV.J.1-2 Crime Incidents In Reporting Districts 181 and 191.....	IV.J.1-6
IV.J.1-3 2009 Crimes by Police Station.....	IV.J.1-6
IV.J.1-4 Reported Crime Totals for Reporting Districts Serving the Proposed Project 2009–2010.....	IV.J.1-7
IV.J.1-5 Related Project Totals within Police Station Service Areas	IV.J.1-27
IV.J.2-1 Fire Stations Serving Project Site	IV.J.2-3

<u>Table</u>	<u>Page</u>
IV.J.2-2 Average Emergency Medical Service Response Times (July 2011–January 2012).....	IV.J.2-4
IV.J.2-3 5-Year Annual Incidents at Fire Stations Serving the Project Site	IV.J.2-6
IV.K.1-1 Los Angeles Department of Water and Power 2001–2010 Water Supply.....	IV.K.1-3
IV.K.1-2 Local Groundwater Basin Supply (Acre-Feet).....	IV.K.1-6
IV.K.1-3 City of Los Angeles Precipitation	IV.K.1-24
IV.K.1-4 City of Los Angeles Water Demand Projections Based On Hydrological Conditions (Thousand afy).....	IV.K.1-28
IV.K.1-5 Existing Project Site Water Consumption	IV.K.1-29
IV.K.1-6 Water Consumption of Existing Project Site Uses to Be Removed.....	IV.K.1-30
IV.K.1-7 Existing Water Infrastructure.....	IV.K.1-33
IV.K.1-8 Comparison of Convention Center Water Demand Under Two Methodologies to Identify Which Methodology Yields the Most Conservative Forecast of Water Generation.....	IV.K.1-35
IV.K.1-9 Proposed Project Water Conservation Features.....	IV.K.1-38
IV.K.1-10 Forecast of Proposed Project Annual Water Demand—General Consumption.....	IV.K.1-41
IV.K.1-11 Proposed Project Daily Water Demand	IV.K.1-42
IV.K.1-12 Proposed Project Daily Impacts with No Existing Convention Center Activity	IV.K.1-43
IV.K.1-13 Proposed Project Peak Daily Domestic Water Flow	IV.K.1-47
IV.K.1-14 Proposed Project Daily Impacts with No Existing Convention Center Activity	IV.K.1-48
IV.K.1-15 Proposed Project Impacts On Water Infrastructure (Domestic Water Demand)	IV.K.1-49
IV.K.1-16 Proposed Project Impacts On Water Infrastructure with No Existing Convention Center Activity.....	IV.K.1-50
IV.K.1-17 Proposed Project Impacts On Water Infrastructure (Fire Water Demand)	IV.K.1-52
IV.K.2-1 Existing Capacity of Hyperion Service Area	IV.K.2-3

<u>Table</u>	<u>Page</u>
IV.K.2-2 Existing Project Site Wastewater Generation	IV.K.2-6
IV.K.2-3 Existing Project Site Uses to Be Removed as Part of the Proposed Project	IV.K.2-7
IV.K.2-4 Annual Proposed Project Wastewater Generation.....	IV.K.2-11
IV.K.2-5 Daily Proposed Project Impacts.....	IV.K.2-12
IV.K.2-6 Daily Project Impacts with No Existing Convention Center Activity.....	IV.K.2-14
IV.K.2-7 System 1 Wastewater Infrastructure Current and Proposed Flow Capacity—Convention Center	IV.K.2-16
IV.K.2-8 System 2 Wastewater Infrastructure Current and Proposed Flow Capacity—Event Center	IV.K.2-18
IV.K.3-1 2011 Projected Solid Waste Disposal and Estimated Remaining Capacity for Los Angeles County Landfills	IV.K.3-6
IV.K.3-2 Solid Waste Disposal and Estimated Remaining Capacity for Out-Of-County Landfills	IV.K.3-8
IV.K.3-3 City of Los Angeles 2010 Waste Disposal at Class III Landfills	IV.K.3-12
IV.K.3-4 Existing Solid Waste Generated at the Project Site	IV.K.3-14
IV.K.3-5 Proposed Project Demolition and Construction Waste Generation.....	IV.K.3-18
IV.K.3-6 Annual Proposed Project Impacts.....	IV.K.3-22
IV.K.3-7 Daily Proposed Project Impacts.....	IV.K.3-24
IV.K.3-8 Daily Project Impacts with No Existing Convention Center Activity.....	IV.K.3-25
IV.K.3-9 Cumulative Los Angeles City Demolition and Construction Waste Generation	IV.K.3-28
IV.K.3-10 City of Los Angeles Cumulative Daily Solid Waste Generation	IV.K.3-29
IV.K.3-11 Cumulative Landfilled Solid Waste	IV.K.3-29
IV.K.4-1 LRP Trend Case Energy Sales (Gigawatts)	IV.K.4-3
IV.K.4-2 LADWP Energy Resources 2010 Power Content Label	IV.K.4-4
IV.K.4-3 Existing On-Site Conditions	IV.K.4-6
IV.K.4-4 Event Center Electricity Consumption and Demand Under Various Event Days	IV.K.4-10
IV.K.4-5 Electricity Consumption and Demand with Proposed Project	IV.K.4-11

<u>Table</u>	<u>Page</u>
IV.K.4-6 Increase In Electricity Consumption and Demand with Proposed Project	IV.K.4-12
IV.K.4-7 Cumulative Increase In Electricity Consumption with Proposed Project ..	IV.K.4-15
IV.K.4-8 Cumulative Increase In Electricity Consumption with Proposed Project with No Existing Convention Center Activity	IV.K.4-15
IV.K.4-9 Cumulative Increase In Electricity Demand with Proposed Project.....	IV.K.4-16
IV.K.4-10 Cumulative Increase In Electricity Demand with Proposed Project with No Existing Convention Center Activity	IV.K.4-16
IV.K.5-1 Existing Natural Gas Consumption	IV.K.5-3
IV.K.5-2 Existing Natural Gas Consumption	IV.K.5-5
IV.K.5-3 Forecasted Natural Gas Peak Demand (Therms Per Hour)	IV.K.5-9
IV.K.5-4 Proposed Project Increase In Natural Gas Peak Demand (Therms Per Hour).....	IV.K.5-10
IV.K.5-5 Forecasted Natural Gas Consumption (Therms)	IV.K.5-11
IV.K.5-6 Forecasted Proposed Project Increase In Natural Gas Annual Consumption (Therms)	IV.K.5-13
IV.K.5-7 Cumulative Natural Gas Consumption (Therms)	IV.K.5-14
V-1 Comparison of Alternatives to the Proposed Project (Net New Development)	V-7
V-2 Summary of Comparative Impacts: Proposed Project and Alternatives.....	V-9
V-3 Comparison of Proposed Project and Alternative 1—No Project: Status Quo.....	V-26
V-4 Comparison of Proposed Project and Alternative 2—No Project: Buildout Per Existing Approvals.....	V-42
V-5 No Project—Buildout Per Existing Approvals Alternative: Water Demand	V-64
V-6 No Project—Buildout Per Existing Approvals: Wastewater Generation	V-65
V-7 No Project—Buildout Per Existing Approvals: Construction Solid Waste Generation.....	V-66
V-8 No Project—Buildout Per Existing Approvals: Operational Solid Waste Generation.....	V-67

<u>Table</u>	<u>Page</u>
V-9	No Project—Buildout Per Existing Approvals Alternative: Electricity Consumption and Demand V-68
V-10	No Project—Buildout Per Existing Approvals Alternative: Annual Natural Gas Consumption..... V-70
V-11	Comparison of Proposed Project and Alternative 3—Reduced Intensity V-77
V-12	Reduced Intensity Alternative: Water Demand V-96
V-13	Reduced Intensity Alternative: Wastewater Generation..... V-98
V-14	Reduced Intensity Alternative: Construction Solid Waste Generation V-99
V-15	Reduced Intensity Alternative: Operational Solid Waste Generation V-100
V-16	Reduced Intensity Alternative: Electricity Consumption and Demand V-101
V-17	Reduced Intensity Alternative: Annual Natural Gas Consumption V-103
V-18	Comparison of Proposed Project and Alternative 5—New Hotel and Expansion V-116
V-19	New Hotel and Expansion Alternative: Water Demand..... V-137
V-20	Annual Proposed Project Wastewater Generation—Alternative 5 V-139
V-21	New Hotel and Expansion Alternative: Construction Solid Waste Generation V-140
V-22	New Hotel and Expansion Alternative: Operational Solid Waste Generation V-141
V-23	New Hotel and Expansion Alternative: Electricity Consumption and Demand V-142
V-24	New Hotel and Expansion Alternative: Natural Gas Consumption..... V-144
V-25	Comparison of Proposed Project and Alternative 6—Maximum Convention Center V-150
V-26	Maximum Convention Center Alternative: Water Demand V-172
V-27	Maximum Convention Center Alternative: Wastewater Generation V-173
V-28	Maximum Convention Center Alternative: Construction Solid Waste Generation V-174
V-29	Maximum Convention Center Alternative: Operational Solid Waste Generation V-176

<u>Table</u>	<u>Page</u>
V-30	Maximum Convention Center Alternative: Electricity Consumption and Demand V-177
V-31	Maximum Convention Center Alternative: Natural Gas Consumption V-178
V-32	Comparison of Proposed Project and Alternative 7—Rehabilitation of West Hall and Limited Expansion V-184
V-33	West Hall Rehabilitation and Limited Convention Center Expansion Alternative: Water Demand..... V-201
V-34	West Hall Rehabilitation and Limited Convention Center Expansion Alternative: Wastewater Generation V-202
V-35	Rehabilitation of West Hall and Limited Expansion: Construction..... V-204
V-36	Rehabilitation of West Hall and Limited Expansion: Operation V-205
V-37	West Hall Rehabilitation and Limited Expansion Alternative: Electricity Consumption and Demand V-206
V-38	West Hall Rehabilitation and Limited Expansion Alternative: Natural Gas Consumption V-207
VI-1	Summary of Intersections with Significant Impacts After Mitigation by Event Scenario VI-3
VI-2	Summary of Freeway Segments with Significant Impacts After Mitigation by Event Scenario VI-6
VI-3	Summary of Freeway Off-Ramps with Significant Impacts After Mitigation by Event Scenario VI-7
VI-4	Summary of Freeway On-Ramps with Significant Impacts After Mitigation by Event Scenario VI-8