Draft Environmental Impact Report No. 617
John Wayne Airport
Settlement Agreement Amendment

SCH No. 2001111135

May 2014

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TABLE OF CONTENTS

Section **Page**

1.0 Executive Summary 1-1
- 1.1 Introduction 1-1
- 1.2 Project Location 1-1
- 1.3 Project Description 1-1
- 1.4 Project Objectives 1-4
- 1.5 Project Setting 1-4
- 1.6 EIR Focus and Effects Found Not to be Significant 1-6
- 1.7 Areas of Controversy 1-16
- 1.8 Issues to be Resolved 1-18
- 1.9 Other Airport-Related Issues Not Associated With the Settlement Agreement Amendment 1-19
- 1.10 Referenced Documents, and Availability of Studies and Reports 1-20
- 1.11 Summary of Significant Effects and Mitigation Program 1-21
- 1.12 References 1-39

2.0 Introduction, Project History, and Setting 2-1
- 2.1 Purpose of this Environmental Impact Report 2-1
- 2.2 Environmental Review Process 2-2
- 2.3 Project History 2-3
  - *2.3.1 Settlement Agreement Background 2-4*
  - *2.3.2 Minor Modifications to the Settlement Agreement 2-6*
  - *2.3.3 2003 Settlement Agreement Amendment 2-6*
  - *2.3.4 Airport Land Use Compatibility Program 2-8*
- 2.4 Airport Noise and Capacity Act of 1990 2-9
- 2.5 Environmental Setting 2-10
- 2.6 Regulatory Setting 2-14
- 2.7 Organization of the Draft EIR 2-16
- 2.8 References 2-17

3.0 Project Description 3-1
- 3.1 Project Location 3-1
- 3.2 Purpose of the Project 3-1
- 3.3 Project Objectives 3-4
- 3.4 Lead and Responsible Agencies for the Project 3-4
- 3.5 Project Description 3-5
  - *3.5.1 Proposed Project 3-8*
  - *3.5.2 Alternative A 3-9*
  - *3.5.3 Alternative B 3-10*
  - *3.5.4 Alternative C 3-10*
  - *3.5.5 No Project Alternative 3-11*
- 3.6 Environmental Baseline and Evaluation of Interim and Horizon Years 3-12
  - *3.6.1 California Environmental Quality Act Baseline 3-12*
  - *3.6.2 Phases 3-13*
- 3.7 Aviation Analyses Assumptions 3-13
  - *3.7.1 Passenger Projections 3-14*
  - *3.7.2 Operation Assumptions 3-24*
- 3.8 Alternatives Evaluation 3-37

TABLE OF CONTENTS

Section **Page**

3.9 Intended Uses of the Environmental Impact Report 3-38
3.10 References 3-39

4.0 Existing Conditions, Impact Analysis, and Mitigation Program 4-1

4.0.1 Background Information 4-2

4.1 Air Quality 4.1-1

4.1.1 Background Information 4.1-1
4.1.2 Regulatory Setting 4.1-4
4.1.3 Methodology 4.1-8
4.1.4 Existing Conditions 4.1-16
4.1.5 Thresholds of Significance 4.1-26
4.1.6 Impact Analysis 4.1-27
4.1.7 Mitigation Program 4.1-70
4.1.8 Level of Significance After Mitigation 4.1-74
4.1.9 References 4.1-75

4.2 Biological Resources 4.2-1

4.2.1 Regulatory Setting 4.2-1
4.2.2 Methodology 4.2-3
4.2.3 Existing Conditions 4.2-5
4.2.4 Thresholds of Significance 4.2-12
4.2.5 Impact Analysis 4.2-13
4.2.6 Mitigation Program 4.2-39
4.2.7 Level of Significance After Mitigation 4.2-39
4.2.8 References 4.2-40

4.3 Greenhouse Gas Emissions 4.3-1

4.3.1 Background Information 4.3-1
4.3.2 Regulatory Setting 4.3-4
4.3.3 Methodology 4.3-15
4.3.4 Existing Conditions 4.3-21
4.3.5 Thresholds of Significance 4.3-22
4.3.6 Impact Analysis 4.3-23
4.3.7 Mitigation Program 4.3-37
4.3.8 Level of Significance After Mitigation 4.3-41
4.3.9 References 4.3-42

4.4 Hazards and Hazardous Materials 4.4-1

4.4.1 Regulatory Setting 4.4-1
4.4.2 Methodology 4.4-2
4.4.3 Existing Conditions 4.4-3
4.4.4 Thresholds of Significance 4.4-7
4.4.5 Impact Analysis 4.4-7
4.4.6 Mitigation Program 4.4-20
4.4.7 Level of Significance After Mitigation 4.4-21
4.4.8 References 4.4-21

4.5 Land Use and Planning 4.5-1

4.5.1 Regulatory Setting 4.5-1
4.5.2 Methodology 4.5-9

TABLE OF CONTENTS

Section **Page**

4.5.3 Existing Conditions 4.5-14
4.5.4 Thresholds of Significance 4.5-19
4.5.5 Impact Analysis 4.5-20
4.5.6 Mitigation Program 4.5-139
4.5.7 Level of Significance After Mitigation 4.5-141
4.5.8 References 4.5-145
4.6 Noise 4.6-1
4.6.1 Background Information 4.6-1
4.6.2 Regulatory Setting 4.6-14
4.6.3 Methodology 4.6-24
4.6.4 Existing Conditions 4.6-26
4.6.5 Thresholds of Significance 4.6-43
4.6.6 Impact Analysis 4.6-44
4.6.7 Mitigation Program 4.6-92
4.6.8 Level of Significance After Mitigation 4.6-113
4.6.9 References 4.6-115
4.7 Public Services 4.7-1
4.7.1 Regulatory Setting 4.7-1
4.7.2 Methodology 4.7-1
4.7.3 Existing Conditions 4.7-1
4.7.4 Thresholds of Significance 4.7-3
4.7.5 Impact Analysis 4.7-3
4.7.6 Mitigation Program 4.7-10
4.7.7 Level of Significance After Mitigation 4.7-11
4.7.8 References 4.7-11
4.8 Transportation/Traffic 4.8-1
4.8.1 Regulatory Setting 4.8-1
4.8.2 Methodology 4.8-2
4.8.3 Existing Conditions 4.8-10
4.8.4 Thresholds of Significance 4.8-21
4.8.5 Impact Analysis 4.8-23
4.8.6 Mitigation Program 4.8-155
4.8.7 Level of Significance After Mitigation 4.8-159
4.8.8 References 4.8-162
4.9 Utilities and Service Systems 4.9-1
4.9.1 Regulatory Setting 4.9-1
4.9.2 Methodology 4.9-2
4.9.3 Existing Conditions 4.9-2
4.9.4 Thresholds of Significance 4.9-3
4.9.5 Impact Analysis 4.9-4
4.9.6 Mitigation Program 4.9-8
4.9.7 Level of Significance After Mitigation 4.9-8
4.9.8 References 4.9-9
4.10 Water Quality 4.10-1
4.10.1 Regulatory Setting 4.10-1

TABLE OF CONTENTS

Section **Page**

4.10.2 Methodology ... 4.10-4
4.10.3 Existing Conditions ... 4.10-5
4.10.4 Thresholds of Significance ... 4.10-8
4.10.5 Impact Analysis ... 4.10-8
4.10.6 Mitigation Program ... 4.10-13
4.10.7 Level of Significance After Mitigation ... 4.10-13
4.10.8 References ... 4.10-13

5.0 Cumulative Impacts ... 5-1
5.1 Introduction ... 5-1
5.2 Methodology ... 5-2
5.2.1 Orange County Projections – 2010 Modified ... 5-3
5.2.2 Reasonably Foreseeable Probable Future Projects ... 5-4
5.3 Cumulative Impact Analysis ... 5-29
5.3.1 Air Quality ... 5-29
5.3.2 Biological Resources ... 5-31
5.3.3 Greenhouse Gas Emissions ... 5-32
5.3.4 Hazards and Hazardous Materials ... 5-32
5.3.5 Land Use and Planning ... 5-35
5.3.6 Noise ... 5-41
5.3.7 Public Services ... 5-41
5.3.8 Transportation/Traffic ... 5-42
5.3.9 Utilities and Service Systems ... 5-48
5.3.10 Water Quality ... 5-48
5.4 Level of Significance After Mitigation ... 5-49
5.5 References ... 5-50

6.0 Long-Term Implications of the Project ... 6-1
6.1 Significant Environmental Effects That Cannot be Mitigated ... 6-1
6.2 Significant Irreversible Environmental Changes That Would be Caused by the Project ... 6-1
6.2.1 Commitment of Resources ... 6-1
6.3 Growth-Inducing Impacts of the Proposed Action ... 6-1
6.4 References ... 6-4

7.0 Alternatives ... 7-1
7.1 Introduction ... 7-1
7.2 Criteria for Selecting Alternatives ... 7-2
7.2.1 Ability to Achieve Project Objectives ... 7-2
7.2.2 Feasibility ... 7-3
7.2.3 Elimination/Reduction of Significant Impacts ... 7-3
7.3 Alternatives Considered But Not Carried Forward ... 7-5
7.4 Alternatives for Analysis ... 7-7
7.4.1 2025 Horizon Year Alternative ... 7-10
7.5 Environmentally Superior Alternative ... 7-19
7.6 References ... 7-19

TABLE OF CONTENTS

Section **Page**

8.0 Persons and Organizations Consulted 8-1
8.1 California Department of Transportation, District 12 8-1
8.2 City of Costa Mesa 8-1
8.3 City of Irvine 8-1
8.4 City of Newport Beach 8-1
8.5 City of Santa Ana 8-1
8.6 City of Tustin 8-1
8.7 County of Orange 8-1
8.8 Mesa Water District 8-2
8.9 Orange County Sanitation District 8-2
8.10 Orange County Sheriff's Department, Airport Operations Division 8-2
8.11 Orange County Transportation Authority 8-2
8.12 Transportation Corridor Agencies 8-2
9.0 List of Preparers 9-1
9.1 John Wayne Airport 9-1
9.2 Consultants 9-1
9.2.1 AECOM 9-1
9.2.2 Amec Environmental and Infrastructure, Inc. 9-2
9.2.3 BonTerra Psomas 9-2
9.2.4 Environ 9-3
9.2.5 Fehr and Peers 9-3
9.2.6 Landrum & Brown 9-4

LIST OF TABLES

Table **Page**

1-1 Principal Terms of the Alternatives Evaluated in the Environmental Impact Report 1-3
1-2 Summary Matrix of Notice of Preparation Comments 1-6
1-3 Summary of Potential Impacts, Mitigation Measures and Level of Significance 1-22
2-1 Maximum Permitted Noise Levels at JWA Noise Monitoring Stations 2-14
3-1 Principal Terms of the Proposed Project and Alternatives Evaluated in the Environmental Impact Report 3-7
3-2 Forecast of Average Day Peak Month Passengers 3-15
3-3 Forecast of International Passengers 3-16
3-4 Peak Hour Enplaned, Deplaned, and Total Passengers 3-18
3-5 Load Factors By Aircraft, 2013 3-25
3-6 Commercial Passenger Operations Forecast Summary 3-26
3-7 Mix Of Commercial Aircraft In The Average Day Peak Month ADPM By Aircraft Type, Phase 1 (January 1, 2016) 3-27
3-8 Mix Of Commercial Aircraft In The Average Day Peak Month ADPM By Aircraft Type, Phase 2 (January 1, 2021) 3-28
3-9 Mix of Commercial Aircraft in the Average Day Peak Month ADPM By Aircraft Type, Phase 3 (January 1, 2026) 3-29
3-10 Commercial Passenger Aircraft Operationsa Forecast Associated with the Average Day Peak Month Passengers 3-30
3-11 General Aviation Based Aircraft by Type, 2013 3-31
3-12 Based Aircraft Forecasts 3-37
4.1-1 California and National Ambient Air Quality Standards 4.1-5
4.1-2 Air Quality Data for Costa Mesa Monitoring Station 4.1-17
4.1-3 Air Quality Data for Anaheim Monitoring Station 4.1-18
4.1-4 National and California Ambient Air Quality Standard Attainment Status 4.1-20
4.1-5 Baseline Criteria Pollutant Emissions 4.1-21
4.1-6 South Coast Air Quality Management District Air Quality Significance Thresholds .. 4.1-26
4.1-7 Proposed Project Criteria Pollutant Emissions 4.1-29
4.1-8 Alternative A Criteria Pollutant Emissions 4.1-31
4.1-9 Alternative B Criteria Pollutant Emissions 4.1-33
4.1-10 Alternative C Criteria Pollutant Emissions 4.1-35
4.1-11 No Project Alternative Criteria Pollutant Emissions 4.1-36
4.1-12 Proposed Project Criteria Pollutant Concentrations – South Coast Air Quality Management District Thresholds 4.1-38
4.1-13 Proposed Project Criteria Pollutant Concentrations – California and National Ambient Air Quality Standards 4.1-40
4.1-14 Alternative A Criteria Pollutant Concentrations – South Coast Air Quality Management District Thresholds 4.1-43
4.1-15 Alternative A Criteria Pollutant Concentrations – California And National Ambient Air Quality Standards 4.1-45
4.1-16 Alternative B Criteria Pollutant Concentrations – South Coast Air Quality Management District Thresholds 4.1-48
4.1-17 Alternative B Criteria Pollutant Concentrations – California and National Ambient Air Quality Standards 4.1-50

LIST OF TABLES

Table **Page**

4.1-18 Alternative C Criteria Pollutant Concentrations – South Coast Air Quality Management District Thresholds....4.1-53
4.1-19 Alternative C Criteria Pollutant Concentrations – California and National Ambient Air Quality Standards....4.1-55
4.1-20 No Project Alternative Criteria Pollutant Concentrations – South Coast Air Quality Management District Thresholds....4.1-58
4.1-21 No Project Alternative Criteria Pollutant Concentrations – California and National Ambient Air Quality Standards....4.1-59
4.1-22 Health Risk Assessment From Operations....4.1-62
4.1-23 Summary of Air Quality Impacts....4.1-75
4.2-1 Threatened and Endangered Wildlife Species at Upper Newport Bay....4.2-11
4.2-2 Flight Frequency During Morning Hours for the Average Day Peak Month Under the Proposed Project....4.2-20
4.2-3 Acreage of Upper Newport Bay Affected by Noise Levels Greater Than 60 CNEL....4.2-22
4.2-4 Existing and Future CNEL Levels at Key Monitoring Stations....4.2-23
4.2-5 Flight Frequency During Morning Hours for the Average Day Peak Month Under Alternative A....4.2-25
4.2-6 Flight Frequency During Morning Hours for the Average Day Peak Month Under Alternative B....4.2-28
4.2-7 Flight Frequency During Morning Hours for the Average Day Peak Month Under Alternative C....4.2-32
4.2-8 Flight Frequency During Morning Hours for the Average Day Peak Month Under the No Project Alternative....4.2-35
4.2-9 Summary of Significance of Biological Resource Impacts....4.2-40
4.3-1 Baseline/Existing Conditions GHG Emissions....4.3-21
4.3-2 Proposed Project Greenhouse Gas Emissions....4.3-24
4.3-3 Alternative A Greenhouse Gas Emissions....4.3-25
4.3-4 Alternative B Greenhouse Gas Emissions....4.3-26
4.3-5 Alternative C Greenhouse Gas Emissions....4.3-27
4.3-6 No Project Alternative Greenhouse Gas Emissions....4.3-28
4.3-7 Summary of 2020 Proposed Project and CARB 2020 NAT Scenario Assumptions....4.3-30
4.3-8 Comparison of Proposed Project Phase 3 2020 to 2020 No Action Taken Greenhouse Gas Emissions....4.3-31
4.3-9 Comparison of Alternative A Phase 3 2020 to 2020 No Action Taken Greenhouse Gas Emissions....4.3-32
4.3-10 Comparison of Alternative B Phase 3 2020 to 2020 No Action Taken Greenhouse Gas Emissions....4.3-33
4.3-11 Comparison of Alternative C Phase 3 2020 to 2020 No Action Taken Greenhouse Gas Emissions....4.3-34
4.3-12 Comparison of the No Project Alternative 2020 to 2020 No Action Taken Greenhouse Gas Emissions....4.3-35
4.3-13 Summary of Greenhouse Gas Emissions Impacts....4.3-42
4.4 1 Average Day Peak Month Fuel Capacity and Trucking Requirements....4.4-14
4.4 2 Summary of Hazards and Hazardous Materials Impacts....4.4-21

LIST OF TABLES

Table **Page**

4.5-1 County of Orange Compatibility Matrix for Land Use and Community Noise Equivalent Levels 4.5-11
4.5-2 Remain Overnight Aircraft Parking Requirements 4.5-22
4.5-3 Gate Schedule Analysis Results for John Wayne Airport 4.5-24
4.5-4 Projected Turns per Gate John Wayne Airport 4.5-25
4.5-5 John Wayne Airport Projected Enplanements per Gate with a Passenger Loading Bridge 4.5-26
4.5-6 Projected International Daily Flights John Wayne Airport 4.5-27
4.5-7 Average Day Peak Month Fuel Capacity and Trucking Requirements 4.5-28
4.5-8 Projected Parking Demand by Million Annual Passengers 4.5-30
4.5-9 Land Uses Within Community Noise Equivalent Level Contours 4.5-33
4.5-10 Goals and Policies Consistency Analysis 4.5-49
4.5-11 Summary of land Use Impacts 4.5-144
4.6-1 Federal Aviation Regulation Part 150 Land Use Guidelines 4.6-15
4.6-2 County of Orange Compatibility Matrix for Land Use and Community Noise Equivalent Levels 4.6-20
4.6-3 Newport Beach General Plan Policy N1.8 Significant Noise Impact Criteria for New Development Impacting Existing Sensitive Uses 4.6-22
4.6-4 2013 CNEL at Noise Monitoring Stations 4.6-34
4.6-5 Long Term Measured Aircraft Noise Levels 2001-2012 Values in dB CNEL at Each Station 4.6-39
4.6-6 Daily Air Carrier Events with SENEL Greater than 85 dBA 4.6-40
4.6-7 Time Above Values for Existing Year 2013 JWA Aircraft Operations in Average Minutes Per Day 4.6-40
4.6-8 Proposed Project Million Annual Passengers and Average Daily Departures 4.6-45
4.6-9 Proposed Project Community Noise Equivalent Levels and Changes in Community Noise Equivalent Levels 4.6-46
4.6-10 Alternative A Million Annual Passengers and Average Daily Departures 4.6-49
4.6-11 Alternative A Community Noise Equivalent Levels and Changes in Community Noise Equivalent Levels 4.6-51
4.6-12 Alternative B Million Annual Passengers and Average Daily Departures 4.6-56
4.6-13 Alternative B Community Noise Equivalent Levels and Changes in Community Noise Equivalent Levels 4.6-56
4.6-14 Alternative C Million Annual Passengers and Average Daily Departures 4.6-61
4.6-15 Alternative C Community Noise Equivalent Levels and Changes in Community Noise Equivalent Levels 4.6-61
4.6-16 No Project Alternative Million Annual Passengers and Average Daily Departures 4.6-66
4.6-17 No Project Alternative Community Noise Equivalent Levels and Changes in Community Noise Equivalent Levels 4.6-66
4.6-18 Proposed Project Land Uses Within Community Noise Equivalent Level Contours 4.6-69
4.6-19 Alternative A Land Uses Within Community Noise Equivalent Level Contours 4.6-71
4.6-20 Alternative B Land Uses Within Community Noise Equivalent Level Contours 4.6-72
4.6-21 Alternative C Land Uses Within Community Noise Equivalent Level Contours 4.6-74
4.6-22 No Project Alternative Land Uses Within Community Noise Equivalent Level Contours 4.6-77

LIST OF TABLES

Table **Page**

4.6-23 Increase in Time Above 65 dBA Over Existing Conditions (minutes) 4.6-82
4.6-24 Increase in Time Above 77 dBA Over Existing Conditions (minutes) 4.6-83
4.6-25 Increase in Time Above 85 dBA Over Existing Conditions (minutes) 4.6-84
4.6-26 Maximum Aircraft Overflight Single Event Noise Level 4.6-90
4.6-27 Percent Increase in Total Air Carrier/Cargo Departures 4.6-91
4.6-28 Noise Monitoring Station SENEL Noise Limits 4.6-102
4.6-29 Number of Residences Exposed to 65 CNEL or Greater and an Increase Over Existing Conditions of 1.5 dB or More 4.6-107
4.6-30 Number of Newport Beach Residences Exposed to 65 CNEL or Greater and an Increase Over Existing Conditions of 1.0 dB or More 4.6-109
4.6-31 Number of Newport Beach Residences Exposed to 60 CNEL and 65 CNEL and an Increase of 2.0 dB or Greater Over Existing Conditions 4.6-111
4.6-32 Number of Residences Exposed to 60 CNEL or Greater and an Increase Over Existing Conditions of 3.0 dB or Greater 4.6-114
4.6-33 Summary of Noise Impacts 4.6-115
4.7-1 Summary of Public Services Impacts 4.7-11
4.8-1 Intersection And Roadway Segment LOS Criteria 4.8-5
4.8-2 Intersection Jurisdiction & LOS Methodology 4.8-6
4.8-3 LOS Criteria For Basic or Mainline Freeway Segments 4.8-8
4.8-4 LOS Criteria For Merge And Diverge Segments 4.8-9
4.8-5 Intersection Level of Service: Existing (2013) Conditions 4.8-12
4.8-6 Caltrans Intersection Level of Service: Existing (2013) Conditions 4.8-15
4.8-7 Existing (2013) Freeway Mainline and Ramps Operations for State Route 55 ..... 4.8-16
4.8-8 Existing (2013) Freeway Mainline and Ramps Operations for State Route 73 ..... 4.8-17
4.8-9 Existing (2013) Freeway Mainline and Ramps Operations: I-405 ..... 4.8-18
4.8-10 Existing JWA Trip Generation (2013 Count Data) 4.8-20
4.8-11 Peak Hour Trip Generation (Increase from Existing) 4.8-20
4.8-12 Intersection Operating at a Deficient Level of Service Existing Plus Proposed Project 4.8-25
4.8-13 Caltrans Intersection Operating at a Deficient Level of Service Existing Plus Proposed Project 4.8-25
4.8-14 Freeway Mainline and Ramps Operations Existing Plus Proposed Project – AM Peak Hour 4.8-26
4.8-15 Project Freeway Mainline and Ramps Operations Existing Plus Proposed Project – PM Peak Hour 4.8-28
4.8-16 Intersection Level of Service Phase 1 Proposed Project 4.8-30
4.8-17 Caltrans Intersection Level of Service Phase 1 Proposed Project 4.8-31
4.8-18 Freeway Mainline and Ramps Operations Phase 1 Proposed Project – AM Peak Hour 4.8-31
4.8-19 Project Freeway Mainline and Ramps Operations Phase 1 Proposed Project – PM Peak Hour 4.8-33
4.8-20 Intersection Level of Service Phase 2 Proposed Project 4.8-35
4.8-21 Caltrans Intersection Level of Service Phase 2 Proposed Project 4.8-36
4.8-22 Freeway Mainline and Ramps Operations Phase 2 Proposed Project – AM Peak Hour 4.8-37

LIST OF TABLES

Table **Page**

4.8-23 Freeway Mainline and Ramps Operations Phase 2 Proposed Project – PM Peak Hour....4.8-39
4.8-24 Intersection Level of Service Phase 3 Proposed Project....4.8-41
4.8-25 Caltrans Intersection Level of Service Phase 3 Proposed Project....4.8-42
4.8-26 Freeway Mainline and Ramps Operations Phase 3 Proposed Project – AM Peak Hour....4.8-43
4.8-27 Freeway Mainline and Ramps Operations Phase 3 Proposed Project – PM Peak Hour....4.8-45
4.8-28 Intersection Operating at a Deficient Level of Service Existing Plus Alternative A....4.8-47
4.8-29 Caltrans Intersection Operating at a Deficient Level of Service Existing Plus Alternative A....4.8-48
4.8-30 Freeway Mainline and Ramps Operations Existing Plus Alternative A – AM Peak Hour....4.8-48
4.8-31 Project Freeway Mainline and Ramps Operations Existing Plus Alternative A – PM Peak Hour....4.8-50
4.8-32 Intersection Level of Service Phase 1 Alternative A....4.8-52
4.8-33 Caltrans Intersection Level of Service Phase 1 Alternative A....4.8-53
4.8-34 Freeway Mainline and Ramps Operations Phase 1 Alternative A – AM Peak Hour....4.8-53
4.8-35 Project Freeway Mainline and Ramps Operations Phase 1 Alternative A– PM Peak Hour....4.8-55
4.8-36 Intersection Level of Service Phase 2 Alternative A....4.8-57
4.8-37 Caltrans Intersection Level of Service Phase 2 Alternative A....4.8-58
4.8-38 Freeway Mainline and Ramps Operations Phase 2 Alternative A – AM Peak Hour....4.8-59
4.8-39 Freeway Mainline and Ramps Operations Phase 2 Alternative A – PM Peak Hour....4.8-61
4.8-40 Intersection Level of Service Phase 3 Alternative A....4.8-63
4.8-41 Caltrans Intersection Level of Service Phase 3 Alternative A....4.8-64
4.8-42 Freeway Mainline and Ramps Operations Phase 3 Alternative A – AM Peak Hour....4.8-64
4.8-43 Freeway Mainline and Ramps Operations Phase 3 Alternative A – PM Peak Hour....4.8-66
4.8-44 Intersection Operating at a Deficient Level of Service Existing Plus Alternative B....4.8-69
4.8-45 Caltrans Intersection Operating at a Deficient Level of Service Existing Plus Alternative B....4.8-69
4.8-46 Freeway Mainline and Ramps Operations Existing Plus Alternative B – AM Peak Hour....4.8-70
4.8-47 Project Freeway Mainline and Ramps Operations Existing Plus A lternative B – PM Peak Hour....4.8-72
4.8-48 Intersection Level of Service Phase 1 Alternative B....4.8-74
4.8-49 Caltrans Intersection Level of Service Phase 1 Alternative B....4.8-75
4.8-50 Freeway Mainline and Ramps Operations Phase 1 Alternative B – AM Peak Hour....4.8-75
4.8-51 Project Freeway Mainline and Ramps Operations Phase 1 Alternative B– PM Peak Hour....4.8-77
4.8-52 Intersection Level of Service Phase 2 Alternative B....4.8-80
4.8-53 Caltrans Intersection Level of Service Phase 2 Alternative B....4.8-80
4.8-54 Freeway Mainline and Ramps Operations Phase 2 Alternative B – AM Peak Hour....4.8-81
4.8-55 Freeway Mainline and Ramps Operations Phase 2 Alternative B – PM Peak Hour....4.8-83
4.8-56 Intersection Level of Service Phase 3 Alternative B....4.8-85

LIST OF TABLES

Table **Page**

4.8-57 Caltrans Intersection Level of Service Phase 3 Alternative B 4.8-86
4.8-58 Freeway Mainline and Ramps Operations Phase 3 Alternative B – AM Peak Hour .. 4.8-86
4.8-59 Freeway Mainline and Ramps Operations Phase 3 Alternative B – PM Peak Hour 4.8-88
4.8-60 Intersection Operating at a Deficient Level of Service Existing Plus Alternative C 4.8-91
4.8-61 Caltrans Intersection Operating at a Deficient Level of Service Existing Plus Alternative C 4.8-91
4.8-62 Freeway Mainline and Ramps Operations Existing Plus Alternative C – AM Peak Hour 4.8-92
4.8-63 Project Freeway Mainline and Ramps Operations Existing Plus Alternative C – PM Peak Hour 4.8-94
4.8-64 Intersection Level of Service Phase 1 Alternative C 4.8-97
4.8-65 Caltrans Intersection Level of Service Phase 1 Alternative C 4.8-97
4.8-66 Freeway Mainline and Ramps Operations Phase 1 Alternative C – AM Peak Hour 4.8-98
4.8-67 Project Freeway Mainline and Ramps Operations Phase 1 Alternative C – PM Peak Hour 4.8-100
4.8-68 Intersection Level of Service Phase 2 Alternative C 4.8-102
4.8-69 Caltrans Intersection Level of Service Phase 2 Alternative C 4.8-103
4.8-70 Freeway Mainline and Ramps Operations Phase 2 Alternative C – AM Peak Hour 4.8-104
4.8-71 Freeway Mainline and Ramps Operations Phase 2 Alternative C – PM Peak Hour 4.8-106
4.8-72 Intersection Level of Service Phase 3 Alternative C 4.8-108
4.8-73 Caltrans Intersection Level of Service Phase 3 Alternative C 4.8-109
4.8-74 Freeway Mainline and Ramps Operations Phase 3 Alternative C – AM Peak Hour 4.8-110
4.8-75 Freeway Mainline and Ramps Operations Phase 3 Alternative C – PM Peak Hour 4.8-112
4.8-76 Intersection Operating at a Deficient Level of Service Existing Plus No Project Alternative 4.8-114
4.8-77 Caltrans Intersection Operating at a Deficient Level of Service Existing Plus No Project Alternative 4.8-114
4.8-78 Freeway Mainline and Ramps Operations Existing Plus No Project Alternative – AM Peak Hour 4.8-115
4.8-79 Project Freeway Mainline and Ramps Operations Existing Plus No Project Alternative – PM Peak Hour 4.8-117
4.8-80 Intersection Level of Service Phase 1 No Project Alternative 4.8-119
4.8-81 Caltrans Intersection Level of Service Phase 1 No Project Alternative 4.8-120
4.8-82 Freeway Mainline and Ramps Operations Phase 1 No Project Alternative – AM Peak Hour 4.8-120
4.8-83 Project Freeway Mainline and Ramps Operations Phase 1 No Project Alternative – PM Peak Hour 4.8-122
4.8-84 Intersection Level of Service Phase 2 No Project Alternative 4.8-124
4.8-85 Caltrans Intersection Level of Service Phase 2 No Project Alternative 4.8-125

LIST OF TABLES

Table **Page**

4.8-86 Freeway Mainline and Ramps Operations Phase 2 No Project Alternative – AM Peak Hour 4.8-126
4.8-87 Freeway Mainline and Ramps Operations Phase 2 NO Project Alternative – PM Peak Hour 4.8-128
4.8-88 Intersection Level of Service Phase 3 No Project Alternative 4.8-130
4.8-89 Caltrans Intersection Level of Service Phase 3 No Project Alternative 4.8-130
4.8-90 Freeway Mainline and Ramps Operations Phase 3 No Project Alternative – AM Peak Hour 4.8-131
4.8-91 Freeway Mainline and Ramps Operations Phase 3 No Project Alternative – PM Peak Hour 4.8-133
4.8-92 Intersection Impact Summary 4.8-152
4.8-93 Freeway Impact Summary 4.8-153
4.8-94 Summary of Significance of Traffic Impacts After Mitigation 4.8-160
4.9-1 Existing and Projected Water Demand for the Proposed Project and All Alternatives 4.9-7
4.9-2 Summary of Utilities and Service Systems Impacts 4.9-9
4.10-1 Summary of 303(d) List for JWA Receiving Water Bodies 4.10-2
4.10-2 Summary of Water Quality Impacts 4.10-13
5-1 Potential Cumulative Projects – County of Orange 5-4
5-2 Potential Cumulative Projects – Newport Beach 5-5
5-3 Potential Cumulative Projects – Costa Mesa 5-16
5-4 Potential Cumulative Projects – City of Irvine 5-17
5-5 Potential Cumulative Projects – Tustin 5-19
5-6 Potential Cumulative Projects – City of Santa Ana 5-20
5-7 Weekly Fuel Capacity and Trucking Requirements During the Peak Passenger Month with Fuel Pipeline 5-33
5-8 Intersection Impact Summary 5-45
5-9 Freeway Impact Summary 5-46
7-1 Compatibility Comparison of Alternatives With Project Objectives 7-9
7-2 Comparison of the Principal Terms of the Proposed Project and 2025 Horizon Year Alternative 7-10
7-3 Mass Emissions Criteria Pollutant Emissions 7-12
7-4 Acreage of Upper Newport Bay Affected by Noise Levels Greater Than 60 Community Noise Equivalent Level Contour Comparison of Proposed Project and 2025 Horizon Year Alternative 7-13
7-5 Greenhouse Gas Emissions Comparison Proposed Project and 2025 Horizon Year Alternative 7-14
7-6 On-Site Facilities Capacity Comparison for the Proposed Project and 2025 Horizon Year Alternative 7-16

LIST OF EXHIBITS

Exhibit **Page**

1-1 Aerial Photograph 1-5
2-1 Existing On-Site Uses 2-12
3-1 Regional Location 3-2
3-2 Local Vicinity 3-3
3-3 ADPM Hourly Passenger Enplanements and Deplanements, August 2013 3-17
3-4 Average Daily Peak Month Hourly Passengers—Proposed Project 3-19
3-5 Average Daily Peak Month Hourly Passengers—Alternative A 3-20
3-6 Average Daily Peak Month Hourly Passengers—Alternative B 3-21
3-7 Average Daily Peak Month Hourly Passengers—Alternative C 3-22
3-8 Average Daily Peak Month Hourly Passengers—No Project Alternative 3-23
3-9 Forecast of Hourly Commercial Operations—Proposed Project 3-32
3-10 Forecast of Hourly Commercial Operations—Alternative A 3-33
3-11 Forecast of Hourly Commercial Operations—Alternative B 3-34
3-12 Forecast of Hourly Commercial Operations—Alternative C 3-35
3-13 Forecast of Hourly Commercial Operations—No Project Alternative 3-36
4.1-1 Air Dispersion Modeled Receptor Locations 4.1-12
4.2-1 Upper Newport Bay Boundaries 4.2-4
4.2-2 Existing CNEL Contours Map 4.2-6
4.2-3 Proposed Project CNEL Contours Map 4.2-21
4.2-4 Alternative A CNEL Contours Map 4.2-26
4.2-5 Alternative B CNEL Contours Map 4.2-29
4.2-6 Alternative C CNEL Contours Map 4.2-33
4.2-7 No Project Alternative CNEL Contours Map 4.2-36
4.5-1 Hourly Demand Versus Capacity for the Proposed Project 4.5-21
4.5-2a Comparison of Existing and Proposed Project Phase 1 Noise Contours 4.5-35
4.5-2b Existing and Proposed Project, Phase 1 Approach Noise Contours with Sensitive Land Uses 4.5-36
4.5-2c Existing and Proposed Project, Phase 1 Airport Area Noise Contours with Sensitive Land Uses 4.5-37
4.5-2d Existing and Proposed Project, Phase 1 Departure Noise Contours with Sensitive Land Uses 4.5-38
4.5-3a Comparison of Existing and Proposed Project, Phase 2 Noise Contours 4.5-39
4.5-3b Existing and Proposed Project, Phase 2 Approach Noise Contours with Sensitive Land Uses 4.5-40
4.5-3c Existing and Proposed Project, Phase 2 Airport Area Noise Contours with Sensitive Land Uses 4.5-41
4.5-3d Existing and Proposed Project, Phase 2 Departure Noise Contours with Sensitive Land Uses 4.5-42
4.5-4a Comparison of Existing and Proposed Project, Phase 3 Noise Contours 4.5-43
4.5-4b Existing and Proposed Project, Phase 3 Approach Noise Contours with Sensitive Land Uses 4.5-45
4.5-4c Existing and Proposed Project, Phase 3 Airport Area Noise Contours with Sensitive Land Uses 4.5-46
4.5-4d Existing and Proposed Project, Phase 3 Departure Noise Contours with Sensitive Land Uses 4.5-47

LIST OF EXHIBITS

Exhibit **Page**

4.5-5 Hourly Demand Versus Capacity for Alternative A....4.5-70
4.5-6a Comparison of Existing and Alternative A, Phase 1 Noise Contours....4.5-73
4.5-6b Existing and Alternative A, Phase 1 Approach Noise Contours and Sensitive Land Uses....4.5-75
4.5-6c Existing and Alternative A, Phase 1 Airport Area Noise Contours and Sensitive Land Uses....4.5-76
4.5-6d Existing and Alternative A, Phase 1 Departure Noise Contours and Sensitive Land Uses....4.5-77
4.5-7a Comparison of Existing and Alternative A, Phase 2 Noise Contours....4.5-78
4.5-7b Existing and Alternative A, Phase 2 Approach Noise Contours and Sensitive Land Uses....4.5-80
4.5-7c Existing and Alternative A, Phase 2 Airport Area Noise Contours and Sensitive Land Uses....4.5-81
4.5-7d Existing and Alternative A, Phase 2 Departure Noise Contours and Sensitive Land Uses....4.5-82
4.5-8a Comparison of Existing and Alternative A, Phase 3 Noise Contours....4.5-83
4.5-8b Existing and Alternative A, Phase 3 Approach Noise Contours and Sensitive Land Uses....4.5-85
4.5-8c Existing and Alternative A, Phase 3 Airport Area Noise Contours and Sensitive Land Uses....4.5-86
4.5-8d Existing and Alternative A, Phase 3 Departure Noise Contours and Sensitive Land Uses....4.5-87
4.5-9 Hourly Demand Versus Capacity for Alternative B....4.5-90
4.5-10a Comparison of Existing and Alternative B, Phase 1 Noise Contours....4.5-94
4.5-10b Existing and Alternative B, Phase 1 Approach Noise Contours with Sensitive Land Uses....4.5-95
4.5-10c Existing and Alternative B, Phase 1 Airport Area Noise Contours with Sensitive Land Uses....4.5-96
4.5-10d Existing and Alternative B, Phase 1 Departure Noise Contours with Sensitive Land Uses....4.5-97
4.511a Comparison of Existing and Alternative B, Phase 2 Noise Contours....4.5-98
4.511b Existing and Alternative B, Phase 2 Approach Noise Contours with Sensitive Land Uses....4.5-100
4.511c Existing and Alternative B, Phase 2 Airport Area Noise Contours with Sensitive Land Uses....4.5-101
4.511d Existing and Alternative B, Phase 2 Departure Noise Contours with Sensitive Land Uses....4.5-102
4.5-12a Comparison of Existing and Alternative B, Phase 3 Noise Contours....4.5-103
4.5-12b Existing and Alternative B, Phase 3 Approach Noise Contours with Sensitive Land Uses....4.5-105
4.5-12c Existing and Alternative B, Phase 3 Airport Area Noise Contours with Sensitive Land Uses....4.5-106
4.5-12d Existing and Alternative B, Phase 3 Departure Noise Contours with Sensitive Land Uses....4.5-107

LIST OF EXHIBITS

Exhibit **Page**

4.5-13 Hourly Demand Versus Demand Capacity for Alternative C 4.5-109
4.5-14a Comparison of Existing and Alternative C, Phase 1 Noise Contours 4.5-112
4.5-14b Existing and Alternative C, Phase 1 Approach Noise Contours with Sensitive Land Uses 4.5-114
4.5-14c Existing and Alternative C, Phase 1 Airport Area Noise Contours with Sensitive Land Uses 4.5-115
4.5-14d Existing and Alternative C, Phase 1 Departure Noise Contours with Sensitive Land Uses 4.5-116
4.5-15a Comparison of Existing and Alternative C, Phase 2 Noise Contours 4.5-119
4.5-15b Existing and Alternative C, Phase 2 Approach Noise Contours with Sensitive Land Uses 4.5-121
4.5-15c Existing and Alternative C, Phase 2 Airport Area Noise Contours with Sensitive Land Uses 4.5-122
4.5-15d Existing and Alternative C, Phase 2 Departure Noise Contours with Sensitive Land Uses 4.5-123
4.5-16a Comparison of Existing and Alternative C, Phase 3 Noise Contours 4.5-125
4.5-16b Existing and Alternative C, Phase 3 Approach Noise Contours with Sensitive Land Uses 4.5-127
4.5-16c Existing and Alternative C, Phase 3 Airport Area Noise Contours with Sensitive Land Uses 4.5-128
4.5-16d Existing and Alternative C, Phase 3 Departure Noise Contours with Sensitive Land Uses 4.5-129
4.5-17 Hourly Demand Versus Capacity for the No Project Alternative 4.5-133
4.5-18a Comparison of Existing and No Project Alternative, Noise Contours, All Phases 4.5-134
4.5-18b Existing and No Project Alternative, All Phases Approach Noise Contours with Sensitive Land Uses 4.5-136
4.5-18c Existing and No Project Alternative, All Phases Airport Area Noise Contours with Sensitive Land Uses 4.5-137
4.5-18d Existing and No Project Alternative, All Phases Departure Noise Contours with Sensitive Land Uses 4.5-138
4.6-1 Typical A-Weighted Noise Levels 4.6-2
4.6-2 Single and Cumulative Noise Metric Definitions 4.6-4
4.6-3 Typical Outdoor Noise Levels 4.6-5
4.6-4 Sleep Disturbance vs. Noise Level FICAN vs. ANSI 4.6-8
4.6-5 Percent of Population Highly Annoyed as a Function of DNL 4.6-12
4.6-6 Typical Air Carrier Flight Tracks 4.6-27
4.6-7 Radar Tracks for Air Carrier & General Aviation Aircraft 4.6-29
4.6-8 Typical Aircraft Arrival and Departure Altitudes 4.6-30
4.6-9 Permanent Noise Monitoring Stations 4.6-32
4.6-10 CNEL Contours – Existing Conditions 4.6-33
4.6-11a CNEL Contours – Airport Master Plan (EIR 508) 4.6-35
4.6-11b Comparison of 1985 Master Plan and Existing Approach Noise Contours 4.6-36
4.6-11c Comparison of 1985 Master Plan and Existing Departure Noise Contours 4.6-37
4.6-12 Typical 85 dB SENEL Departures Contour 4.6-41

LIST OF EXHIBITS

Exhibit **Page**

4.6-13 Typical 85 dB SENEL Arrival Contour 4.6-42
4.6-14 CNEL Contours – Proposed Project Phase 1 ..... 4.6-46
4.6-15 CNEL Contours – Proposed Project Phase 2 ..... 4.6-48
4.6-16 CNEL Contours – Proposed Project Phase 3 ..... 4.6-49
4.6-17 CNEL Contours – Alternative A Phase 1 ..... 4.6-51
4.6-18 CNEL Contours – Alternative A Phase 2 ..... 4.6-53
4.6-19 CNEL Contours – Alternative A Phase 3 ..... 4.6-54
4.6-20 CNEL Contours – Alternative B Phase 1 ..... 4.6-57
4.6-21 CNEL Contours – Alternative B Phase 2 ..... 4.6-59
4.6-22 CNEL Contours – Alternative B Phase 3 ..... 4.6-60
4.6-23 CNEL Contours – Alternative C Phase 1 ..... 4.6-63
4.6-24 CNEL Contours – Alternative C Phase 2 ..... 4.6-64
4.6-25 CNEL Contours – Alternative C Phase 3 ..... 4.6-65
4.6-26 CNEL Contours – No Project Conditions 4.6-67
4.6-27 Flight Tracks From The Year 1998 ..... 4.6-86
4.6-28 Flight Tracks From The Year 2000 ..... 4.6-87
4.6-29 Flight Tracks From The Year 2007 ..... 4.6-88
4.6-30 Flight Tracks From The Year 2013 ..... 4.6-89
4.8-1 Analyzed Intersections and Project Study Area 4.8-3
4.8-2 Irvine Business Complex Boundary 4.8-4
5-1 County of Orange Cumulative Projects 5-23
5-2 Newport Beach Cumulative Projects 5-24
5-3 Costa Mesa Cumulative Projects 5-25
5-4 Irvine Cumulative Projects 5-26
5-5 Tustin Cumulative Projects 5-27
5-6 Santa Ana Cumulative Projects 5-28
5-7 City of Newport Beach General Plan Land Use Element Amendment Airport Area Proposed Changes 5-38

LIST OF APPENDICES

Appendix

A NOP/IS and NOP Comment Letters
B Aviation Forecasts Technical Report
C Noise Analysis Technical Report
D Air Quality Technical Report
E Greenhouse Gas Technical Report
F Capacity Analysis Technical Report
G Traffic Technical Report

ACRONYM LIST

A	
AB	Assembly Bill
ACC	Advanced Clean Cars
ACCRI	Aviation Climate Change Research Initiative
ACRP	Airport Cooperative Research Board
ADAP	Airport Development Aid Program
ADDs	Average Daily Departures
ADPM	Average Day Peak Month
AELUP	Airport Environs Land Use Plan
AERMOD	American Meteorological Society/USEPA Regulatory Model Improvement Committee Model
AIP	Santa Ana Heights Acoustical Insulation Program
ALUC	Airport Land Use Commission
ANCA	Airport Noise Capacity Act
ANMS	Airport Noise Monitoring System
ANSI	American National Standards Institute
APEX	Aircraft Particle Emissions Experiment
APUs	Auxiliary power units
AQMP	Air Quality Management Plan
ARCHIE	Automated Resource for Chemical Hazard Incident Evaluation
ARFF	Airport Rescue and Fire Fighting
ASIG	Aircraft Service International Group
ASNA	Aviation Safety and Noise Abatement
AST	Aboveground storage tank
ATSA	Aviation and Transportation Security Act
AWG	Airport Working Group
B	
BAU	Business As Usual
BIT	Biennial Inspection of Terminals
BMP	Best Management Practice
BSA	Biological Study Area
C	
C	Celsius
CAA	Clean Air Act
CAAFI	Commercial Aviation Alternative Fuels Initiative
CAAQS	California Ambient Air Quality Standards
CalARP	California Accidental Release Prevention
CalEEMod	California Emission Estimator Model
CalEPA	California Environmental Protection Agency
CalRecycle	California Department of Resources Recycling and Recovery
Caltrans	California Department of Transportation
CAP	Climate Action Plan
CAP	Criteria air pollutant
CARB	California Air Resources Board
CCAR	California Climate Action Registry

ccf	Hundred cubic feet
CCR	California Code of Regulations
CDFW	California Department of Fish and Wildlife
CDP	Coastal Development Permit
CEC	California Energy Commission
CEQ	Council on Environmental Quality
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
CFR	Code of Federal Regulations
CH_4	methane
CHP	California Highway Patrol
CLEEN	Continuous Lower Energy, Emissions, and Noise
CLUP	Coastal Land Use Plan
CMA	Congestion Management Agency
CMP	Congestion Management Plan
CNDDB	California Natural Diversity Database
CNEL	Community Noise Equivalent Level
CNG	Clean natural gas
CNPS	California Native Plant Society
CO	Carbon monoxide
CO_2	Carbon dioxide
CO_2e	Carbon dioxide equivalent
CoGen	Cogeneration facility
COPC	Chemicals of potential concern
County	County of Orange
CRPR	California Rare Plant Rank
CTR	California Toxics Rule
CUP	Conditional Use Permit
CUPA	Certified Unified Program Agency
CWA	Clean Water Act
D	
DAMP	Drainage Area Master Plan
dB	decibel
dBA	A-weighted decibel
DDT	Dichlorodiphenyltrichloroethane
DMV	Department of Motor Vehicles
DNL	Day Night Noise Level
DOE	Department of Energy
DOT	Department of Transportation [GHG]
DOT/FAA	Department of Transportation/Federal Aviation Administration
DTSC	California Department of Toxic Substances Control
E	
EB	Eastbound
EDMS	Emissions Dispersion and Modeling System
EDS	Explosive Detection System
EIR	Environmental Impact Report
EIR 582	2002 *Final Environmental Impact Report No. 582 for the John Wayne Airport Settlement Agreement Extension*

EIS	Environmental Impact Statement
ESA	Environmental Sensitive Area
F	
F	Fahrenheit
FAA	Federal Aviation Administration
FAR	Federal Aviation Regulations
FBOs	Fixed Based Operators
FEMA	Federal Emergency Management Agency
FESA	Federal Endangered Species Act
FICAN	Federal Interagency Committee on Aviation Noise
FIS	Federal Inspection Services
G	
GANO	General Aviation Noise Ordinance
GHG	Greenhouse gas
GIS	Geographic Information System
GP	General Plan
GPS	Global Positioning System
GSE	Ground service equipment
GWP	Global warming potential
H	
H_2S	Hydrogen sulfide
H_2SO_3	Sulfurous acid
H_2SO_4	Sulfuric acid
HAP	Hazardous air pollutants
HC	hydrocarbons
HCM	Highway Capacity manual
HCP	Habitat Conservation Plan
HI	Hazard index
HRA	Health Risk Assessment
HTML	Hazardous Materials Transportation License
Hz	hertz
I	
I	Interstate
IBC	Irvine Business Complex
ICAO	International Civil Aviation Organization
ICE	U.S. Immigration and Customs Enforcement
ICU	Intersection capacity utilization
IFR	Instrument Flight Rule
INM	Integrated Noise Model
IPCC	Intergovernmental Panel on Climate Change
IPCC AR4	IPCC's Fourth Assessment Report
IS	Initial Study
ISO	International Organization for Standardization
ISWMP	Integrated Solid Waste Management Plan
ITAM	City of Irvine Citywide Travel Demand Model
J	
JWA	John Wayne Airport, Orange County

K	
kWh/year	Kilowatt hours per year
L	
lbs/day	Pounds per day
L_{dn}	Day-night average sound level
$L_{eq(h)}$	Average noise level where "h" is the number of hours
LAFCO	Local Agency Formation Commission
LCFS	Low Carbon Fuel Standard
LCP	Local Coastal Program
LEV3 Tool	LEV III database model (CARB)
LIP	Local Implementation Plan
LOS	Level of service
LTOs	Landing-takeoff cycles
LUCP	Land Use Compatibility Program
M	
m	meters
MAP	Million Annual Passengers
MATES	Multiple Air Toxics Exposure Study
MBTA	Migratory Bird Treaty Act
mg/m^3	Milligrams per cubic meter
mgd	Million gallons per day
MMBTU/year	Million British thermal units per year
MMRP	Mitigation Monitoring and Reporting Plan
MND	Mitigated Negative Declaration
MOU	Memorandum of Understanding
mpg	miles per gallon
MPO	Metropolitan Planning Organization
MPP	Monitoring Program Plan
MS4	Municipal separate storm sewer system
MSW	Municipal solid waste
MT/year	Metric tons per year
$MTCO_2e$	Metric tonnes of carbon dioxide equivalent
$MTCO_2e$/year	Metric tonnes of carbon dioxide equivalent per year
MWDOC	Municipal Water District of Orange County
MWRF	Mesa Water Reliability Facility
N	
N/A	Not applicable, not available, or the source is unknown
N_2O	Nitrous oxide
NAAQS	National Ambient Air Quality Standards
NADP	Noise abatement departure procedures
NAT	No Action Taken
NB	Northbound
NCCP	Natural Communities Conservation Plan
NEPA	National Environmental Policy Act
NHTSA	National Highway Transportation Safety Administration
NLR	Noise Level Reduction
NMS	Noise Monitoring Station
NO	Nitric oxide

NO_2	Nitrogen dioxide
NOP	Notice of Preparation
NOx	Nitrogen oxide
NPDES	National Pollutant Discharge Elimination System
O	
O_3	ozone
OCFA	Orange County Fire Authority
OCHCA	Orange County Environmental Health Agency
OCSD	Orange County Sanitation District
OCSD	Orange County Sherriff's Department
OCTA	Orange County Transportation Authority
OCTAM	Orange County Transportation Analysis Model
OCWD	Orange County Water District
OSHA	Occupational Safety and Health Administration
P	
P	Phase
PARCS	JWA Parking Program
PARTNER	Partnership for Air Transportation Noise and Emissions Reduction
pc/mi/ln	Passenger cars per mile per lane
PCBs	Polychlorinated Biphenyls
PFC	Passenger Facility Charge
PM2.5	Fine particulate matter with a diameter of 2.5 microns or less
PM10	Respirable particulate matter with a diameter of 10 microns or less
ppm	Parts per million
R	
RMS	Remote Monitoring System
RON	Remaining overnight
RPS	Renewable Portfolio Standards
RSIP	Residential Sound Insulation Program
RTIP	Regional Transportation Improvement Program
RTP	Regional Transportation Plan
RTP/SCS	*2012–2035 Regional Transportation Plan/Sustainable Communities Strategy* (SCAG document)
RWQCB	Regional Water Quality Control Board
S	
SACC	Santa Ana Country Club
SAHCP	Santa Ana Heights Land Use Compatibility Plan
SAHSP	Santa Ana Heights Specific Plan
SARWQCB	Santa Ana Regional Water Quality Control Board
SB	Senate Bill
SB	Southbound
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCCWRP	Southern California Coastal Water Research Project
SCE	Southern California Edison
SCS	Sustainable Communities Strategy
SEL	Sound Exposure Level
SENEL	Single Event Noise Equivalent Level

SIP	Sound Insulation Program
SIP	State Implementation Plan
SO_2	Sulfur dioxide
SO_3	Sulfur trioxide
SoCAB	South Coast Air Basin
SOI	Sphere of Influence
SOx	Sulfur oxides
SPCC	Spill Prevention, Control, and Countermeasure
SPON	Stop Polluting Our Newport
sq. mi.	Square mile
SR	State Route
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
T	
TA	Time Above
TAC	Toxic air contaminant
TCA	Transportation Corridor Agencies
TIS	Traffic Impact Analysis Study
TMDL	total maximum daily load
Tons/person/year	Tons per person per uear
TPH	Total petroleum hydrocarbons
TSA	Transportation Security Administration
TTM	Tentative Tract Map
U	
UK	United Kingdom
UNFCCC	United Nations Framework Convention on Climate Change
US	United States
USAF	United States Air Force
USDA	U.S. Department of Agriculture
USDC	U.S. District Court
USDOT	U.S. Department of Transportation
USEPA	U.S. Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
UST	Underground Storage Tank
UWMP	Urban Water Management Plan
V	
V/C	Volume to capacity ratio
VALE	Voluntary Airport Low Emissions Program
VFR	Visual Flight Rule
VMT	Vehicle miles traveled
VOC	Volatile organic compounds
W	
WB	Westbound
WHMP	Wildlife Hazards Management Plan
WSA	Water Supply Assessment
Symbols	
°	degrees
$\mu g/m^3$	Micrograms per cubic meter