

# Contents

**Executive Summary ..... ES-1**

- ES.1 Introduction ..... ES-1
- ES.2 Purpose of the EIR ..... ES-1
  - ES.2.1. CEQA Analysis Overview ..... ES-2
  - ES.2.2. Project Objectives ..... ES-3
  - ES.2.3. CEQA Baseline..... ES-3
- ES.3 Proposed Project ..... ES-3
  - ES.3.1. Overview..... 3
  - ES.3.2. Project Construction ..... ES-4
  - ES.3.3. Project Operation ..... ES-5
- ES.4 Alternatives ..... ES-5
  - ES.4.1. Alternative 1 – No Project Alternative ..... ES-5
  - ES.4.2. Alternative 2 – Reduced Project Alternative ..... ES-5
  - ES.4.3. Alternatives Considered But Not Further Evaluated ..... ES-5
  - ES.4.4. Environmentally Superior Alternative..... ES-6
- ES.5 Environmental Impacts ..... ES-6
  - ES.5.1. Impacts Not Considered in this EIR ..... ES-7
  - ES.5.2. Impacts of the Proposed Project and Alternatives ..... ES-7
- ES.6 Public Involvement ..... ES-13
- ES.7 Areas of Controversy ..... ES-13
- ES.8 Issues to be Resolved ..... ES-13

**Chapter 1 Introduction..... 1-1**

- 1.1 Introduction ..... 1-1
- 1.2 Background ..... 1-2
  - 1.2.1. Project Location..... 1-2
  - 1.2.2. Project Overview ..... 1-2
- 1.3 CEQA and the Purpose of an EIR..... 1-3
- 1.4 Scope and Content of the EIR..... 1-4
  - 1.4.1. Scope of Analysis ..... 1-4
  - 1.4.2. Scoping Comments ..... 1-5
  - 1.4.3. Intended Uses of this EIR ..... 1-5
  - 1.4.4. EIR Organization ..... 1-6
- 1.5 Key Principles Guiding Preparation of this EIR ..... 1-7
  - 1.5.1. Forecasting..... 1-7
  - 1.5.2. Reliance on Environmental Thresholds and Substantial Evidence..... 1-7
  - 1.5.3. Disagreement Among Experts ..... 1-8
  - 1.5.4. CEQA Baseline..... 1-8
  - 1.5.5. Duty to Mitigate..... 1-8
  - 1.5.6. Requirements to Evaluate Alternatives..... 1-9
- 1.6 Alternatives ..... 1-10
  - 1.6.1. Alternatives Evaluated in this EIR..... 1-10
  - 1.6.2. Alternatives Considered But Not Further Evaluated ..... 1-13
- 1.7 Availability of the Draft EIR..... 1-13

**Chapter 2 Project Description ..... 2-1**

- 2.1 Introduction ..... 2-1
- 2.2 Background and Project Overview ..... 2-1
  - 2.2.1. Background ..... 2-1
  - 2.2.2. Project Overview ..... 2-2
- 2.3 Project Objectives ..... 2-2
- 2.4 Project Location and Setting ..... 2-3
  - 2.4.1. Regional Setting ..... 2-3
  - 2.4.2. Project Site and Surrounding Uses ..... 2-3
- 2.5 Project Description ..... 2-7
  - 2.5.1. Overview ..... 2-7
  - 2.5.2. Construction ..... 2-9
  - 2.5.3. Operation ..... 2-11
- 2.6 CEQA Baseline ..... 2-12
- 2.7 Lead, Responsible, and Trustee Agencies ..... 2-13

**Chapter 3 Environmental Analysis ..... 3-1**

- Introduction ..... 3-1
- Terminology Used in This Environmental Analysis ..... 3-2
- Requirement to Evaluate Alternatives ..... 3-2
- 3.1 Air Quality and Health Risk ..... 3.1-1
  - 3.1.1. Introduction ..... 3.1-2
  - 3.1.2. Environmental Setting ..... 3.1-2
  - 3.1.3. Applicable Regulations ..... 3.1-5
  - 3.1.4. Impacts and Mitigation Measures ..... 3.1-11
  - 3.1.5. Impact Analysis ..... 3.1-15
  - 3.1.6. Significant Unavoidable Impacts ..... 3.1-32
- 3.2 Energy ..... 3.2-1
  - 3.2.1. Introduction ..... 3.2-2
  - 3.2.2. Environmental Setting ..... 3.2-2
  - 3.2.3. Applicable Regulations ..... 3.2-3
  - 3.2.4. Impacts and Mitigation Measures ..... 3.2-4
  - 3.2.5. Impact Analysis ..... 3.2-6
  - 3.2.6. Significant Unavoidable Impacts ..... 3.2-10
- 3.3 Greenhouse Gas Emissions ..... 3.3-1
  - 3.3.1. Introduction ..... 3.3-2
  - 3.3.2. Environmental Setting ..... 3.3-2
  - 3.3.3. Applicable Regulations ..... 3.3-2
  - 3.3.4. Impacts and Mitigation Measures ..... 3.3-6
  - 3.3.5. Impact Analysis ..... 3.3-7
  - 3.3.6. Sea Level Rise ..... 3.3-17
  - 3.3.7. Significant Unavoidable Impacts ..... 3.3-19
- 3.4 Hazards and Hazardous Materials ..... 3.4-1
  - 3.4.1. Introduction ..... 3.4-2
  - 3.4.2. Environmental Setting ..... 3.4-2
  - 3.4.3. Applicable Regulations ..... 3.4-10

3.4.4.	Impacts and Mitigation Measures .....	3.4-15
3.4.5.	Impact Analysis .....	3.4-17
3.4.6.	Significant Unavoidable Impacts .....	3.4-24
<b>Chapter 4</b>	<b>Cumulative Analysis .....</b>	<b>4-1</b>
4.1	Introduction .....	4-2
4.1.1.	Requirements for Cumulative Impact Analysis .....	4-2
4.1.2.	Projects Considered in the Cumulative Analysis .....	4-3
4.2	Cumulative Impact Analysis .....	4-9
4.2.1.	Air Quality and Health Risk .....	4-11
4.2.2.	Energy .....	4-18
4.2.3.	Greenhouse Gas Emissions .....	4-20
4.2.4.	Hazards and Hazardous Materials .....	4-23
4.3	Summary of Cumulatively Considerable Impacts .....	4-25
4.3.1.	Proposed Project .....	4-26
4.3.2.	Alternative 1 – No Project Alternative .....	4-26
4.3.3.	Alternative 2 – Reduced Project Alternative .....	4-26
<b>Chapter 5</b>	<b>Comparison of Alternatives .....</b>	<b>5-1</b>
5.1	Introduction .....	5-1
5.2	Project Alternatives .....	5-1
5.2.1.	Alternative 1 – No Project Alternative .....	5-2
5.2.2.	Alternative 2 – Reduced Project Alternative .....	5-2
5.2.3.	Alternatives Considered But Not Further Evaluated .....	5-3
5.3	Alternatives Comparison .....	5-4
5.3.1.	CEQA Alternatives Comparison .....	5-4
5.3.2.	Environmentally Superior Alternative .....	5-6
<b>Chapter 6</b>	<b>Significant Irreversible Changes .....</b>	<b>6-1</b>
6.1	Introduction .....	6-1
6.2	Analysis of Irreversible Changes .....	6-1
<b>Chapter 7</b>	<b>Growth-Inducing Impacts .....</b>	<b>7-1</b>
7.1	Introduction .....	7-1
7.2	Summary of Growth-Inducing Impacts .....	7-1
7.2.1.	Direct Growth-Inducing Impacts .....	7-2
7.2.2.	Indirect Growth-Inducing Impacts .....	7-2
<b>Chapter 8</b>	<b>List of Preparers and Contributors .....</b>	<b>8-1</b>
	Los Angeles Harbor Department .....	8-1
	Aspen Environmental Group .....	8-1
	Aspen Team Subcontractors .....	8-2
<b>Chapter 9</b>	<b>References .....</b>	<b>9-1</b>

**Tables**

Table ES-1: Summary of Impacts and Mitigation for the Proposed Project and Alternatives ..... ES-7

Table 1-1: Summary of Key Scoping Comments ..... 1-5

Table 1-2: Organization and Contents of the EIR..... 1-6

Table 1-3: Summary of Proposed Project and Alternatives at Full Buildout..... 1-11

Table 2-1: Agencies That May Use This EIR.....2-13

Table 3.1-1: SCAQMD Regional Thresholds for Construction Emissions .....3.1-13

Table 3.1-2: SCAQMD LST for Construction Emissions (lbs/day) .....3.1-13

Table 3.1-3: SCAQMD Regional Thresholds for Operational Emissions .....3.1-14

Table 3.1-4: SCAQMD LST for Operational Emissions (lbs/day).....3.1-14

Table 3.1-5: Maximum Daily Unmitigated Construction Emissions, Regional Thresholds.....3.1-15

Table 3.1-6: Maximum Daily Unmitigated Construction Emissions, Localized Thresholds .....3.1-16

Table 3.1-7: Maximum Daily Unmitigated Operation Emissions, Regional Thresholds .....3.1-18

Table 3.1-8: Maximum Daily Unmitigated Operation Emissions, Localized Thresholds .....3.1-20

Table 3.1-9: Summary Matrix of Potential Impacts and Mitigation Measures for Air Quality .....3.1-30

Table 3.2-1: Energy Sources of Electricity Supplied to Customers (Power Content) .....3.2-3

Table 3.2-2: Summary Matrix of Potential Impacts and Mitigation Measures for Energy.....3.2-9

Table 3.3-1: Proposed Project Annual GHG Emissions .....3.3-9

Table 3.3-2: Proposed Project Annual GHG Emissions, Excluding Electricity Supply in Buildout Year .....3.3-10

Table 3.3-3: Applicable GHG Emissions Reduction Strategies .....3.3-12

Table 3.4-1: Summary Matrix of Potential Impacts and Mitigation Measures for Hazards and Hazardous Materials .....3.4-23

Table 4-1: Related and Cumulative Projects.....4-4

Table 4-2: Summary Matrix of Residual Impacts, Cumulative Analysis, and Mitigation Measures for the Proposed Project and Alternatives .....4-27

Table 5-1: Summary of Proposed Project and Alternatives at Full Buildout (Year 2046) .....5-2

Table 5-2: Summary of Impacts.....5-5

**Figures**

Figure ES-1. Proposed Project Site..... ES-2

Figure 1-1. Reduced Project Alternative (Alternative 2) Boundary and Existing PMP Land Use Designations ..... 1-12

Figure 2-1. Regional Location of the Proposed Project .....2-4

Figure 2-2. Existing PMP Land Use Designations on the Project Site .....2-6

Figure 2-3. Project Site Plan .....2-8

Figure 4-1. Locations of Related and Cumulative Projects.....4-3

**Appendices**

Appendix A Notice of Preparation/Initial Study and Scoping Comments

Appendix B1 Air Quality and Greenhouse Gas Calculations

Appendix B2 Health Risk Assessment

Appendix C California Coastal Act Consistency Analysis