

7.0 MITIGATION MONITORING AND REPORTING PROGRAM

7.1 MITIGATION MONITORING REQUIREMENTS

Public Resources Code (PRC) Section 21081.6 (enacted by the passage of Assembly Bill 3180) mandates that the following requirements shall apply to all reporting or mitigation monitoring programs:

- The public agency shall adopt a reporting or monitoring program for the changes made to the project or conditions of project approval in order to mitigate or avoid significant effects on the environment. The reporting or monitoring program shall be designed to ensure compliance during project implementation. For those changes that have been required or incorporated into the project at the request of a responsible agency or a public agency having jurisdiction by law over natural resources affected by the project, that agency shall, if so requested by the lead agency or a responsible agency, prepare and submit a proposed reporting or monitoring program.
- The lead agency shall specify the location and custodian of the documents or other materials that constitute the record of proceedings upon which its decision is based.
- A public agency shall provide measures to mitigate or avoid significant effects on the environment that are fully enforceable through permit conditions, agreements, or other measures. Conditions of project approval may be set forth in referenced documents that address required mitigation measures or, in the case of the adoption of a plan, policy, regulation, or other project, by incorporating the mitigation measures into the plan, policy, regulation, or project design.
- Prior to the close of the public review period for a Draft Environmental Impact Report (EIR), a responsible agency, or a public agency having jurisdiction over natural resources affected by the project, shall either (1) submit to the lead agency complete and detailed performance objectives for mitigation measures that would address the significant effects on the environment identified by the responsible agency or agency having jurisdiction over natural resources affected by the project, or (2) refer the lead agency to appropriate, readily available guidelines or reference documents. Any mitigation measures submitted to a lead agency by a responsible agency or an agency having jurisdiction over natural resources affected by the project shall be limited to measures that mitigate impacts to resources that are subject to the statutory authority of, and definitions applicable to, that agency. Compliance or noncompliance with that requirement by a responsible agency or agency having jurisdiction over natural resources affected by a project shall not limit the authority of the responsible agency or agency having jurisdiction over natural resources affected by a project, or the authority of the lead agency, to approve, condition, or deny projects as provided by this division or any other provision of law.

7.2 MITIGATION MONITORING PROCEDURES

The mitigation monitoring and reporting program has been prepared in compliance with PRC Section 21081.6. It describes the requirements and procedures to be followed by the City of Long Beach (City) to ensure that all mitigation measures adopted as part of the proposed Long Beach General

Plan Land Use and Urban Design Elements (LUE/UDE) project (proposed project) will be carried out as described in this Draft EIR.

Table 7.A lists each of the mitigation measures specified in this Draft EIR and identifies the party or parties responsible for implementation and monitoring of each measure.

Table 7.A: Mitigation and Monitoring Reporting Program

Mitigation Measures	Responsible Party/Approving Agency	Timing for Mitigation Measure
4.1: Aesthetics		
The proposed project would not result in any significant adverse impacts related to aesthetics. No mitigation is required.		
4.2: Air Quality		
<p>MM AQ-1 Prior to issuance of any construction permits, future development projects subject to discretionary review shall prepare and submit to the City of Long Beach (City) Department of Development Services Planning Bureau a technical assessment evaluating potential project construction-related air quality impacts. The evaluation shall be prepared in conformance with South Coast Air Quality Management District (SCAQMD) methodology for assessing air quality impacts. If construction-related criteria air pollutants are determined to have the potential to exceed the SCAQMD-adopted thresholds of significance, the Department of Development Services shall require that applicants for new development projects incorporate mitigation measures to reduce air pollutant emissions during construction activities. These identified measures shall be incorporated into all appropriate construction documents (e.g., construction management plans) submitted to the City and shall be verified by the Department of Development Services. Mitigation measures to reduce construction-related emissions include, but are not limited to:</p> <ul style="list-style-type: none"> • Require the following fugitive-dust control measures: <ul style="list-style-type: none"> ○ Use nontoxic soil stabilizers to reduce wind erosion. ○ Apply water every 4 hours to active soil-disturbing activities. ○ Tarp and/or maintain a minimum of 24 inches of freeboard on trucks hauling dirt, sand, soil, or other loose materials. • Use construction equipment rated by the United States Environmental Protection Agency (EPA) as having Tier 3 (model year 2006 or newer) or Tier 4 (model year 2008 or newer) emission limits, applicable for engines between 50 and 750 horsepower. • Ensure that construction equipment is properly serviced and maintained to the manufacturers' standards. 	City of Long Beach Department of Development Services Planning Bureau	Prior to issuance of any construction permits

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<p style="text-align: center;">Mitigation Measures</p> <ul style="list-style-type: none"> • Limit nonessential idling of construction equipment to no more than five consecutive minutes. • Using Super-Compliant volatile organic compound (VOC) paints for coating of architectural surfaces whenever possible.¹ 		
<p>MM AQ-2 Prior to future discretionary project approval, development project applicants shall prepare and submit to the City of Long Beach Department of Development Services a technical assessment evaluating potential project operation phase-related air quality impacts. The evaluation shall be prepared in conformance with SCAQMD methodology in assessing air quality impacts. If operation-related air pollutants are determined to have the potential to exceed the SCAQMD-adopted thresholds of significance, the Department of Development Services shall require that applicants for new development projects incorporate mitigation measures to reduce air pollutant emissions during operational activities. The identified measures shall be included as part of the Standard Conditions of Approval. Below are possible mitigation measures to reduce long-term emissions:</p> <ul style="list-style-type: none"> • For site-specific development that requires refrigerated vehicles, the construction documents shall demonstrate an adequate number of electrical service connections at loading docks for plugging in the anticipated number of refrigerated trailers to reduce idling time and emissions. • Applicants for manufacturing and light industrial uses shall consider energy storage and combined heat and power in appropriate applications to optimize renewable energy generation systems and avoid peak energy use. • Site-specific developments with truck delivery and loading areas and truck parking spaces shall include signage as a reminder to limit idling of vehicles while parked for loading/unloading in accordance with California Air Resources Board (ARB) Rule 2845 (13 California Code of Regulations [CCR] Chapter 10, Section 2485). 	<p>City of Long Beach Department of Development Services</p>	<p>Prior to future discretionary project approval/Prior to issuance of a Certificate of Occupancy</p>

¹ A list of Super-Compliant architectural coating manufacturers can be found on the SCAQMD website at http://www.aqmd.gov/prdas/brochures/Super-Compliant_AIM.pdf.

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<ul style="list-style-type: none"> Site-specific development shall demonstrate that an adequate number of electrical vehicle Level 2 charging stations are provided on site. The location of the electrical outlets shall be specified on building plans, and proper installation shall be verified by the Department of Development Services prior to issuance of a Certificate of Occupancy. 		
<p>MM AQ-3 Prior to future discretionary approval for projects that require environmental evaluation under the California Environmental Quality Act (CEQA), the City of Long Beach would evaluate new development proposals for sensitive land uses (e.g., residences, schools, and daycare centers) within the City for potential incompatibilities with regard to the ARB’s <i>Air Quality and Land Use Handbook: A Community Health Perspective</i> (April 2005). In addition, applicants for siting or expanding sensitive land uses that are within the recommended buffer distances listed in Table 1-1 of the ARB Handbook would submit a Health Risk Assessment (HRA) to the City of Long Beach. The HRA shall be prepared in accordance with the policies and procedures of the State Office of Environmental Health Hazard Assessment (OEHHA) and the South Coast Air Quality Management District (SCAQMD). The latest OEHHA guidelines shall be used for the analysis, including age sensitivity factors, breathing rates, and body weights appropriate for children. If the HRA shows that the incremental cancer risk and/or non-cancer hazard index exceeds the respective thresholds, as established by the SCAQMD at the time a project is considered, the applicant will be required to identify and demonstrate that mitigation measures are capable of reducing potential cancer and non-cancer risks to an acceptable level (i.e., below the aforementioned thresholds as established by the SCAQMD), including appropriate enforcement mechanisms. Measures to reduce risk may include, but are not limited to, the following:</p> <ul style="list-style-type: none"> Air intakes oriented away from high-volume roadways and/or truck loading zones; and Heating, ventilation, and air conditioning systems of the buildings provided with appropriately sized maximum efficiency rating value filters. <p>Prior to future discretionary project approval, applicants for new industrial or warehousing land uses that (1) have the potential to generate 100 or more diesel truck trips per day or have 40 or more trucks with operating diesel-powered</p>	<p>City of Long Beach Department of Development Services Planning Bureau</p>	<p>Prior to future discretionary approval for projects that require environmental evaluation under the California Environmental Quality Act (CEQA)</p>

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<p>transport refrigeration units, and (2) are within 1,000 feet of a sensitive land use (e.g., residential, schools, hospitals, or nursing homes), as measured from the property line of the project to the property line of the nearest sensitive use, shall submit an HRA to the Department of Development Services. The HRA shall be prepared in accordance with policies and procedures of the State OEHHA and the SCAQMD. If the HRA shows that the incremental cancer risk and/or non-cancer hazard index exceeds the respective thresholds, as established by the SCAQMD at the time a project is considered, the applicant will be required to identify and demonstrate whether best available control technologies for toxics (T-BACTs), including appropriate enforcement mechanisms, are capable of reducing potential cancer and non-cancer risks to an acceptable level. T-BACTs may include, but are not limited to, restricting idling on site or electrifying warehousing docks to reduce diesel particulate matter, or requiring use of newer equipment and/or vehicles. T-BACTs identified in the HRA shall be identified as mitigation measures in the environmental document and/or incorporated into the site plan.</p>		
4.3: Greenhouse Gas Emissions		
<p>GHG-1 The City of Long Beach (City) shall develop a greenhouse gas (GHG) Reduction Plan or Climate Action Plan (CAP) to ensure that the City continues on a trajectory that aligns with the short-term, interim, and long-term state GHG reduction goals of Assembly Bill (AB) 32 (2020 goal), Executive Order (EO) B-30-15 (2030 goal), and EO S-03-05 (2050 goal). Within approximately 36 months of adoption of the proposed General Plan Land Use Element (LUE)/Urban Design Element (UDE) project, the City of Long Beach shall prepare and present to the City Council for adoption a community climate action plan/greenhouse gas reduction plan (Plan). The Plan shall identify strategies to be implemented to reduce GHG emissions associated with the City, and shall include as one alternative a program that achieves the AB 32 targets. In addition, the City shall monitor GHG emissions by updating its community-wide GHG emissions inventory every 5 years upon adoption of the initial Plan. Upon the next update to the Plan, the inventory, GHG reduction measures, and GHG reductions shall be forecast to year 2040 to ensure progress toward achieving the interim target that aligns with the long-term GHG reduction goals of EO S-03-04. The Plan update shall take into account the reductions achievable from federal and State actions</p>	<p>City of Long Beach Department of Development Services</p>	<p>Within approximately 36 months of adoption of the proposed General Plan Land Use Element (LUE)/Urban Design Element (UDE) project/Creation of inventory every 5 years upon adoption of the initial Plan/ Revisions to the 2040 Plan Update shall be completed by January 1, 2020</p>

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<p>and measures as well as ongoing work by the City and the private sector. The 2040 Plan update shall be completed by January 1, 2020, with a plan to achieve GHG reductions for 2030 (EO B-30-15 goal), provided the State has an actual plan to achieve reductions for 2030. New reduction programs in similar sectors as the proposed Plan (building energy, transportation, waste, water, wastewater, agriculture, and others) will likely be necessary. Future targets shall be considered in alignment with State reduction targets, to the maximum extent feasible, but it is premature at this time to determine whether or not such targets can be feasibly met through the combination of federal, State, and local action given technical, logistical and financial constraints. Future updates to the Plan shall account for the horizon beyond 2030 as the State adopts actual plans to meet post-2030 targets. The Plan will include details on how the reduction programs will be implemented and will designate responsible parties to monitor progress and ensure implementation of the reductions within the Plan. A monitoring and reporting program will be included to ensure the Plan achieves the reduction targets. The Plan will also include criteria that would trigger an update to the Plan. Examples of triggers requiring a Plan update include monitoring of progress that demonstrates that the Plan will not achieve the reduction targets, or economic and/or population growth that exceeds the scope of the Plan. In all instances, the Plan and any updates shall be consistent with State and federal law.</p> <p>Long Beach GHG Reduction Plan or Climate Action Plan Measures:</p> <ul style="list-style-type: none"> • Establish a goal to encourage 15 percent of existing single-family homes to install solar installations before 2020. • Establish a goal to encourage 15 percent of existing commercial/industrial buildings to install solar installations before 2020. • Collaborate with Long Beach Transit to implement “Smart Bus” technology, global positioning system (GPS), and electronic displays at all transit stops by 2020 to provide customers with “real-time” arrival and departure time information. • Explore the opportunity for expansion of electric-vehicle infrastructure, 		

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<p style="text-align: center;">Mitigation Measures</p> <p>including requiring electric-vehicle charging stations in new qualified developments.</p> <ul style="list-style-type: none"> • Develop public education materials that support and encourage the use of recycled water. • Consider a plan for installing recycled water infrastructures for all new parks, schools, and other public facilities to use 100 percent recycled water for non-potable outdoor uses. • Adopt a municipal goal of 100 percent recycled water for non-potable sources, as feasible, depending on available recycled water infrastructure. • Adopt a landscaping water conservation ordinance that exceeds the requirements in the Model Landscape Ordinance (AB 1881). <p>Post-2020 Measures:</p> <ul style="list-style-type: none"> • Prior to January 1, 2020, the City of Long Beach shall update the GHG Reduction Plan or CAP to address the GHG reduction goals of EO B-30-15 for GHG sectors for which the City has direct or indirect jurisdictional control. The City shall identify a GHG emissions reduction target for year 2030 that is consistent with the GHG reduction goals identified in EO S-03-05. The GHG Reduction Plan or CAP shall be updated to include measures to ensure that the City is on a trajectory that aligns with the State’s 2030 GHG emissions reduction target. 		
<p>GHG-2 Within approximately 18 months of adoption of the proposed General Plan LUE/ UDE project, the City shall prepare and present to the City Council for adoption a vehicle miles traveled (VMT) reduction plan to ensure that GHG reduction can be achieved by reducing VMT and by increasing or encouraging the use of alternative fuels and transportation technologies.</p> <ul style="list-style-type: none"> • The City will ensure that new development incorporate both local and regional transit measures into the project design that promote the use of alternative modes of transportation. • The City shall give priority to transportation projects that will contribute to a 	<p>City of Long Beach Department of Development Services</p>	<p>Within approximately 18 months of adoption of the proposed General Plan LUE/ UDE project</p>

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<p>reduction in VMT per capita, while maintaining economic vitality and sustainability.</p> <ul style="list-style-type: none"> The City will create an interconnected transportation system that allows a shift in travel from private passenger vehicle to alternative modes, including public transit, ride sharing, car sharing, bicycling, and walking. 		
<p>GHG-3 Prior to issuance of building permits for residential development projects within the LUE/UDE Areas of Change, the property owner/developer shall indicate on the building plans that the following features have been incorporated into the design of the building(s). Proper installation of these features shall be verified by the City of Long Beach Building and Safety Bureau prior to issuance of a certificate of occupancy.</p> <ul style="list-style-type: none"> For multifamily dwellings, electric-vehicle charging shall be provided as specified in Section A4.106.8.2 (Residential Voluntary Measures) of the CALGreen Code. Bicycle parking shall be provided as specified in Section A4.106.9 (Residential Voluntary Measures) of the California Green Building Standards Code (CALGreen Code). 	<p>City of Long Beach Building and Safety Bureau</p>	<p>Prior to issuance of building permits for residential development projects within the LUE/UDE Areas of Change/Prior to issuance of a Certificate of Occupancy</p>
<p>GHG-4 Prior to issuance of building permits for non-residential development projects within the LUE/UDE Areas of Change, the property owner/developer shall indicate on the building plans that the following features have been incorporated into the design of the building(s). Proper installation of these features shall be verified by the City of Long Beach Building and Safety Bureau prior to issuance of a certificate of occupancy.</p> <ul style="list-style-type: none"> For buildings with more than ten tenant-occupants, changing/shower facilities shall be provided as specified in Section A5.106.4.3 (Nonresidential Voluntary Measures) of the CALGreen Code. Preferential parking for low-emitting, fuel-efficient, and carpool/van vehicles shall be provided as specified in Section A5.106.5.1 (Nonresidential Voluntary Measures) of the CALGreen Code. Facilities shall be installed to support future electric vehicle charging at each 	<p>City of Long Beach Building and Safety Bureau</p>	<p>Prior to issuance of building permits for non-residential development projects within the LUE/UDE Areas of Change/Prior to issuance of a Certificate of Occupancy</p>

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non-residential building with 30 or more parking spaces. Installation shall be consistent with Section A5.106.5.3 (Nonresidential Voluntary Measures) of the CALGreen Code.		
4.4: Land Use and Planning		
The proposed project would not result in any significant adverse impacts related to land use and planning. No mitigation is required.		
4.5: Noise		
The proposed project would not result in any significant adverse impacts related to noise. No mitigation is required.		
4.6: Population and Housing		
The proposed project would not result in any significant adverse impacts related to population and housing. No mitigation is required.		
4.7: Public Services		
The proposed project would not result in any significant adverse impacts related to public services. No mitigation is required.		
4.8: Transportation/Traffic		
There are no feasible mitigation measures to offset potentially significant adverse impacts to traffic and circulation associated with implementation of the proposed project.		
4.9: Utilities		
The proposed project would not result in any significant adverse impacts related to utilities. No mitigation is required.		