
VI. ENVIRONMENTAL IMPACT ANALYSIS

H. PUBLIC UTILITIES

2003 EIR Environmental Findings

Energy Conservation

Electricity

Electricity consumption by the Original Proposed Project was estimated in the 2003 EIR by using the amount of electricity consumed on the Project Site in 2003 and projecting an increase in up to 12 additional football games per year. The 2003 EIR found that the electricity consumed by the Original Proposed Project would be approximately 63,323 kilowatt hours (kWh) per event, and 1,317 kWh per day on non-event days. On event and non-event days the Proposed ancillary uses would be expected to consume approximately 1,419 kWh per day. Annually, the Original Proposed Project would consume approximately 3.4 million kWh (based on 46 events per year and ancillary use daily throughout the year). This would represent an increase of approximately 1.2 million kWh per year over existing (2003) conditions. The 2003 EIR found that the ability of the Los Angeles Department of Water and Power's (DWP) regional infrastructure to deliver the peak electrical requirement to the site would not be expected to be severely affected by implementation of the Original Proposed Project. However, additional power facilities would possibly be required in order to serve the load growth associated with the Original Proposed Project. The 2003 EIR stated that such improvements could be made with minimal impact upon the surrounding land uses. Impacts to electricity infrastructure and supply were therefore expected to be less than significant.

Natural Gas

Natural gas consumption by the Original Proposed Project was estimated in the 2003 EIR by using the amount of natural gas consumed on the Project Site in 2003 and projecting an increase in up to 12 additional football games per year. The 2003 EIR found that natural gas consumed by the Original Proposed Project would be approximately 33,835 cf per event. The proposed ancillary uses would consume approximately 2,630 cf of natural gas per day. Annually, the Original Proposed Project would be anticipated to consume approximately 2.3 million cf (based on stadium consumption during 46 events per year and ancillary use daily throughout the year). This represents an increase of approximately 1.3 million cf of natural gas per year over existing (2003) conditions. The 2003 EIR found that the ability of the Southern California Gas Company's regional infrastructure to deliver the peak natural gas requirement to the site would not be expected to be severely affected by implementation of the Original Proposed Project. Project impacts to natural gas services were therefore expected to be less than significant.

Mitigation Measures

The 2003 EIR recommended a mitigation measure designed to reduce the Project's demands for energy resources, although it noted that none were technically required since no significant impacts upon such

resources were found. This mitigation measure is reproduced below:

1. During the design process, the applicant should consult with the Los Angeles Department of Water and Power, Efficiency Solutions Business Group, regarding possible energy efficiency measures. The applicant shall incorporate measures to meet or, if possible, exceed minimum efficiency standards for Title XXIV of the California Code of Regulations.

Water Conservation

Water consumption by the Original Proposed Project was estimated in the 2003 EIR by using generation factors provided by the City of Los Angeles. Water consumption on the Project Site was estimated in the 2003 EIR to be approximately 468,000 gallons per event with the development of the Original Proposed Project, assuming maximum levels of attendance at all events, and 7,200 gallons of water per day on non-event days. This would result in a total of approximately 24 million gallons of water consumed by the Original Project per year, based on a rate of 46 events per year and daily use of the ancillary structures. Water service for the Coliseum would continue to be provided by the City of Los Angeles Department of Water and Power from the existing infrastructure. Consequently, impacts to water service to the Original Proposed Project were considered to be less than significant with the implementation of standard water-conservation mitigation measures.

Mitigation Measures

The 2003 EIR adopted several mitigation measures designed to reduce the Project's impact on water resources. These mitigation measures are reproduced below:

1. The Project Applicant shall be required to comply with any improvements necessary to meet Los Angeles Fire Department fire-flow requirements for the Proposed Project.
2. The Proposed Project shall incorporate water saving techniques as required by the City of Los Angeles' mandatory water conservation program (Ordinance Nos. 166,080 and 163,532). Water conservation measures described in the ordinance include, but are not limited to, the following:
 - a. As necessary, the Project Site shall be landscaped with drought-tolerant/indigenous species (xeriscape).
 - b. Low flow flush valves and shower head water-conservation devices shall be installed in all restroom and/or locker room facilities.

In addition, the City of Los Angeles Department of Water and Power recommends the following water conservation measures:

3. Automatic sprinkler systems should be set to irrigate landscaping during early morning hours or during the evening to reduce water losses from evaporation. However, care must be taken to reset sprinklers to water less often in cooler months and during the rainfall season so that water is not wasted by excessive landscape irrigation.

4. Reclaimed water should be investigated as a source to irrigate large landscaped areas, including the grass playing field.
5. On-site recycling of drainage from water used for playing field irrigation should be investigated.
6. Recirculating hot water systems which can reduce water waste in long piping systems where water must be run for considerable periods before hot water is received at the outlet should be investigated.
7. Plumbing fixtures should be selected which reduce potential water loss from leakage due to excessive wear of washers.

Sanitary Sewers

Wastewater generation by the Original Proposed Project was calculated in the 2003 EIR by using generation factors based on land use as provided by the City of Los Angeles. The 2003 EIR estimated that the Original Proposed Project would generate approximately 390,000 gallons of sewage per event, assuming maximum attendance at all Coliseum events. It found that Ancillary structures would generate approximately 6,000 gallons of wastewater per day. The 2003 EIR also stated that the maximum possible sewage generation from the site experienced during any Coliseum event could be reduced from projected levels upon implementation of the Original Proposed Project. This reduction would be accomplished through the installation of infrastructure and fixtures with increased water-efficiency which could result in a reduction in the average per-person per-event sewage generation. The 2003 EIR explained that sewage generated by the Project would continue to flow to the Hyperion Treatment Plant, which would have adequate capacity to accommodate the increase in wastewater flows. The City of Los Angeles Department of Public Works, Bureau of Sanitation also determined that the Original Proposed Project's impacts on City of Los Angeles sewer services would be less than significant, assuming maximum capacity conditions. Therefore, the 2003 EIR determined that the Original Proposed Project would have less than significant impacts on sanitary sewers.

Mitigation Measures

The 2003 EIR found that since the Project would not result in a significant impact to sewers, no mitigation measures were required.

Solid Waste and Disposal

The 2003 EIR anticipated that the Original Proposed Project would generate approximately 1,860,671 pounds (or approximately 930 tons) of solid waste per year. It stated that existing (2003) uses on the site generate approximately 837,071 pounds (or approximately 419 tons) of solid waste per year. Therefore, implementation of the Original Proposed Project would generate a net increase of approximately 1,023,600 pounds (or approximately 512 tons) per year. The 2003 EIR determined that regional landfill capacity was adequate to accommodate the regional solid waste demands for the City of Los Angeles, and impacts associated with the Original Proposed Project were determined to be less than significant.

Mitigation Measures

The 2003 EIR found that since the Project would not result in a significant impact on solid waste infrastructure, no mitigation measures were required.

Environmental Impacts of the Revised Project

Energy Conservation

Electricity

As described above, the 2003 EIR found that the Original Proposed Project would cause an increase in electricity usage of approximately 1.2 million kWh per year over existing (2003) conditions. The Revised Project would present the same uses for the Coliseum as the Original Proposed Project. Total seating would not change, and the same restaurant, club, and comfort facilities would be included in the Revised Project. In addition, approximately the same uses take place at the Coliseum today (i.e., the USC football team remains the primary tenant, concerts and soccer games continue to be held at the Coliseum) as they did when the baseline electricity was calculated in 2003. Therefore, it may be assumed that the Revised Project would cause a similar increase of approximately 1.2 million kWh per year over existing conditions. The 2003 EIR found that the ability of the DWP regional infrastructure to deliver the peak electrical requirement to the site would not be expected to be severely affected by implementation of the Original Proposed Project. Since DWP infrastructure has not significantly changed since the publication of the 2003 EIR, it may be expected that the Revised Project's impacts to electricity infrastructure and supply would also be less than significant.

With regard to the criteria set forth in CEQA Section 15162 (a), the changes proposed by the 2006 Architectural Scheme would not result in any new significant electricity impacts or result in a substantial increase in the severity of those effects previously identified. Therefore, the preparation of a subsequent environmental analysis is not warranted.

Natural Gas

As described above, the 2003 EIR found that the Original Proposed Project would be anticipated to consume approximately 2.3 million cf per year (based on Coliseum consumption during 46 events per year and ancillary use daily throughout the year). This would represent an increase of approximately 1.3 million cf of natural gas per year over existing (2003) conditions. The Revised Project would be anticipated to host approximately the same number of events as the Original Proposed Project and to include approximately the same number and type of concessions as the Original Proposed Project. In addition, approximately the same uses exist today at the Coliseum that existed when the baseline natural gas usage was calculated in 2003. Therefore, the Revised Project would be expected to generate a similar increase in natural gas usage. The 2003 EIR found that the ability of the Southern California Gas Company's regional infrastructure to deliver the peak natural gas requirement to the site would not be expected to be significantly affected by implementation of the Original Proposed Project. Since the Project Site is in an area of Los Angeles that has been essentially "built out" since the 1960s, it is reasonable to assume that the Southern California Gas Company has not significantly altered their infrastructure in the 2.5 years that have passed since the

publication of the 2003 EIR. Therefore, like the Original Proposed Project, the Revised Project would have less than significant impacts on natural gas services.

With regard to the criteria set forth in CEQA Section 15162 (a), the changes proposed by the 2006 Architectural Scheme would not result in any new significant natural gas impacts or result in a substantial increase in the severity of those effects previously identified. Therefore, the preparation of a subsequent environmental analysis is not warranted.

Mitigation Measures

The 2003 EIR included a mitigation measure designed to reduce the Project's impacts on energy resources. As no new significant impacts were identified, the Revised Project would also implement this mitigation measure (identified above and in Section VII, Mitigation Monitoring and Reporting Program).

Water Conservation

As discussed above, the Original Proposed Project would result in a total of approximately 24 million gallons of water consumed per year, based on a rate of approximately 46 events per year and daily use of the ancillary structures. The Revised Project would alter some architectural elements of the Project but would not change the anticipated approximately 46 events per year. The Revised Project would also include concession and ancillary uses approximately equivalent to the Original Proposed Project. As stated in the 2003 EIR, water service for the Coliseum would continue to be provided by the DWP from existing infrastructure. As the DWP has not undergone significant infrastructures alterations since the publication of the 2003 EIR, its conclusion that impacts to water service to the Project were less than significant would remain true for the Revised Project. The Revised Project would also implement the mitigation measures identified for the Original Proposed Project to reduce impacts to water services as much as possible.

With regard to the criteria set forth in CEQA Section 15162 (a), the changes proposed by the 2006 Architectural Scheme would not result in any new significant water conservation impacts or result in a substantial increase in the severity of those effects previously identified. Therefore, the preparation of a subsequent environmental analysis is not warranted.

Mitigation Measures

The 2003 EIR adopted several mitigation measures designed to reduce the Project's impact on water resources. As no new significant impacts were identified, the Revised Project would implement the same mitigation measures (identified above and in Section VII, Mitigation Monitoring and Reporting Program).

Sanitary Sewers

As described above, the Original Proposed Project was projected to generate approximately 390,000 gallons of sewage per event and approximately 6,000 gallons of sewage per day from ancillary structures. The Revised Project would include approximately equivalent plans for ancillary uses and projected Coliseum uses as the Original Proposed Project. The Revised Project would make minor architectural design adjustments to the Project but would not alter any of the projected uses that were used to project sewerage

generation. Therefore, the approximate sewer generation projections made in the 2003 EIR would remain true for the Revised Project. The 2003 EIR also stated that the City of Los Angeles Department of Public Works, Bureau of Sanitation determined that impacts on City of Los Angeles sewer services by the Original Proposed Project would be less than significant. As environmental setting conditions have not significantly changed in the 2.5 years since the 2003 EIR was published, it would be expected that the Bureau of Sanitation could still handle the projected sewage generation from the Project. Therefore, like the Original Proposed Project, the Revised Project would have less than significant impacts on sanitary sewers.

With regard to the criteria set forth in CEQA Section 15162 (a), the changes proposed by the 2006 Architectural Scheme would not result in any new significant sanitary sewer impacts or result in a substantial increase in the severity of those effects previously identified. Therefore, the preparation of a subsequent environmental analysis is not warranted.

Mitigation Measures

Similar to the Original Proposed Project, the Revised Project would not create any new significant impacts to the sewer system. Therefore, as with the Original Proposed Project, no mitigation measures are recommended.

Solid Waste and Disposal

As discussed above, the 2003 EIR determined that implementation of the Original Project would generate a net increase of approximately 1,023,600 pounds (or approximately 512 tons) of solid waste per year over existing (2003) uses. As the Revised Project would not alter any of the presumed Coliseum uses, it would be expected to generate approximately the same amount of solid waste as the Original Proposed Project. The 2003 EIR also determined that regional landfill capacity was adequate to accommodate the regional solid waste demands for the City of Los Angeles. As environmental setting conditions have not significantly changed since the 2003 analysis was conducted, it may still be assumed that regional landfills would have the capacity to handle the Project's solid waste generation. Therefore, like the Original Proposed Project, solid waste impacts associated with the Revised Project would be less than significant.

With regard to the criteria set forth in CEQA Section 15162 (a), the changes proposed by the 2006 Architectural Scheme would not result in any new significant solid waste impacts or result in a substantial increase in the severity of those effects previously identified. Therefore, the preparation of a subsequent environmental analysis is not warranted.

Mitigation Measures

Similar to the Original Proposed Project, the Revised Project would not create any new significant impacts to the solid waste infrastructure. Therefore, as with the Original Proposed Project, no mitigation measures are recommended.