

**Appendix 5.13A**  
**FHWA Ratings Sheets**

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Visual Resource Survey:		AES - RBEP		Existing Conditions	
KOP Location: Moonstone Park / King Harbor		Viewpoint: KOP 1		KOP Location: Moonstone Park / King Harbor	
Landscape Unit: NA		Date: Apr-12		Landscape Unit: NA	
Viewpoint Description (Figure Caption):		View to the east from Moonstone Park, located within the King Harbor. The existing RBGS is visible across the entire view beyond the marina, approximately 0.3 mile away. The RBEP site is approximately 0.4 mile from the viewpoint, is beyond the RBGS, and not visible in existing conditions.		Viewpoint Description (Figure Caption):	
Photo Orientation: W		View from KOP 1 with the RBEP constructed and RBGS removed. The new stacks are visible near the center of the view, beyond the relocated whale mural, which would be prominently visible from this location.		Photo Orientation: W	
Viewer Position: _____ Inferior _____ X _____ Level _____ Superior		Viewer Position: _____ Inferior _____ X _____ Level _____ Superior		Viewer Position: _____ Inferior _____ X _____ Level _____ Superior	
View	Notes				
Foreground (0 - 1/2 mile)	Only the foreground is visible in this view. Moonstone Park currently consists of a patch of grassy open space adjacent to the western end of Marina Way, and west of the marina and commercial buildings along North Harbor Drive (all visible here). The Whaling Wall is visible in the right portion of the view, in front of the RBGS.				
Middleground (1/2 - 4 miles)	N/A				
Background (> 4 miles)	N/A				
Vividness					
Feature	Score*	Notes			
Landform	2	Flat, ocean-front land is apparent.			
Vegetation	4	Palm trees appear at varied heights across view; grassy open space is dominant in immediate foreground.			
Water Feature	4	Water is not visible in view; however, masts from boats in the marina beyond Moonstone Park demark the clear presence of water in the immediate area.			
Human-Made	5	RBGS is unique relative to regional context, and the Whaling Wall mural is a local landmark. Presence of sailboat masts indicate the human-made marina area. Construction fencing detracts from quality of view in the immediate foreground.			
Overall	3.8	This view is occupied entirely by human-made structures or landscaping, each of which is of some visual interest. With the exception of the RBGS and Whaling Wall, the components visible in this view are fairly typical of marina landscapes in this part of southern California.			
Intactness					
Overall	3	Objects and land use types appear distinct from one another in this view; Moonstone Park, the marina, the N. Harbor Drive corridor and RBGS are discernable. Horizontal features throughout the view (palm trees and power plant stacks, notably) relate to each other, but also encroach on other features.			
Unity					
Overall	2	The highly visible energy-generating, maritime and recreational uses, along with the partially visible commercial uses, do not contribute collectively to a coherent view.			
Overall Visual Quality Score	2.9	Moderately Low			

\*Score Key:  
1 - Very Low; 2 - Low; 3 - Moderately Low; 4 - Moderate; 5 - Moderately High; 6 - High; 7 - Very High

Visual Resource Survey:		AES - RBEP		With Project	
KOP Location: Moonstone Park / King Harbor		Viewpoint: KOP 1		KOP Location: Moonstone Park / King Harbor	
Landscape Unit: NA		Date: Oct-12		Landscape Unit: NA	
Viewpoint Description (Figure Caption):		View to the east from Moonstone Park, located within the King Harbor. The existing RBGS is visible across the entire view beyond the marina, approximately 0.3 mile away. The RBEP site is approximately 0.4 mile from the viewpoint, is beyond the RBGS, and not visible in existing conditions.		Viewpoint Description (Figure Caption):	
Photo Orientation: W		View from KOP 1 with the RBEP constructed and RBGS removed. The new stacks are visible near the center of the view, beyond the relocated whale mural, which would be prominently visible from this location.		Photo Orientation: W	
Viewer Position: _____ Inferior _____ X _____ Level _____ Superior		Viewer Position: _____ Inferior _____ X _____ Level _____ Superior		Viewer Position: _____ Inferior _____ X _____ Level _____ Superior	
View	Notes				
Foreground (0 - 1/2 mile)	The RBGS would be removed from the foreground and the RBEP would appear near the far extent of the foreground, much reduced in scale compared to current views. The relocated whale mural would be visible.				
Middleground (1/2 - 4 miles)	With removal of the RBGS middleground views would open up and elevated portions of Redondo Beach would be visible about a mile away, in the left side of the view.				
Background (> 4 miles)	N/A				
Vividness					
Feature	Score*	Notes			
Landform	3	The removal of the RBGS would allow a portion of the area's topography to be evident. Low hills in the middleground would frame this view, as opposed to the RBGS in the foreground.			
Vegetation	5	Without the RBGS, the majority of the trees in the foreground stand out with only the sky as backdrop. Some relatively distant hillside vegetation is evident but not prominent.			
Water Feature	4	No change.			
Human-Made	4	With the RBGS removed, a fairly utilitarian landscape is partially visible beyond the marina. Commercial and office buildings are visible but not necessarily identifiable. Residences are apparent, and the tops of the RBEP stacks would be visible beyond the relocated whale mural..			
Overall	4.0	The view remains occupied entirely by human-made structures or landscaping. Replacement of the RBGS with the RBEP would make the existing vegetation and boats the dominant visual features in the foreground. Removal of the Whaling Wall mural would eliminate a human-made visual landmark.			
Intactness					
Overall	3	Objects and land uses would remain visibly compartmentalized, appearing separately at varying depths from the viewpoint. Boat masts and trees remain as primary vertical forms, still encroach somewhat on background features.			
Unity					
Overall	4	With the existing power plant removed, the overall coherence of the view becomes moderate; despite the visibility of the new power plant, this would appear much more like a marina-oriented city.			
Overall Visual Quality Score	3.7	Moderate			

\*Score Key:  
1 - Very Low; 2 - Low; 3 - Moderately Low; 4 - Moderate; 5 - Moderately High; 6 - High; 7 - Very High

Visual Resource Survey:		AES - RBEP	Existing Conditions
KOP Location:	Seaside Lagoon	Viewpoint:	KOP 2
Landscape Unit:	NA	Date:	Oct-11
Viewpoint Description (Figure Caption):	View to the north from the main exit from Seaside Lagoon (200 Portofino Way). The existing RBGS is visible in the center of the view, beyond the Whaling Wall, the closest corner of which is approximately 0.2 mile from the viewpoint.		
Photo Orientation:	North		
Viewer Position:	_____ Inferior <u>  X  </u> Level    _____ Superior		
View	Notes		
Foreground (0 - 1/2 mile)	Only the foreground is visible in this view. The existing RBGS is visible in the center of the view beyond the Whaling Wall. Marina commercial uses and associated parking are visible throughout the remaining portions of the view.		
Middleground (1/2 - 4 miles)	N/A		
Background (> 4 miles)	N/A		
Vividness			
Feature	Score*	Notes	
Landform	2	Flat, ocean-front land is apparent.	
Vegetation	4	A variety of vegetation is visible throughout view, in varying heights and forms.	
Water Feature	N/A		
Human-Made	4	RBGS is unique relative to regional context, and the Whaling Wall mural is a local landmark. Other visible features (commercial buildings, roadway and parking areas) are unremarkable.	
Overall	3.3	This view is occupied entirely by human-made structures or landscaping, each of which is of some visual interest. With the exception of the RBGS and Whaling Wall, the components visible in this view are fairly typical of marina landscapes in this part of southern California.	
Intactness			
Overall	3.5	The RBGS and Whaling Wall appear entirely beyond the marina-area commercial uses. Vertical features throughout the view (palm trees and power plant stacks, notably) relate to each other, despite the slight visual encroachment of the trees on the power plant.	
Unity			
Overall	3	The view shows a relatively large energy-generating facility, which is visible beyond a marina commercial area.	
Overall Visual Quality Score	3.3	Moderately Low	

\*Score Key:  
1 - Very Low; 2 - Low; 3 - Moderate; 4 - Average; 5 - Moderately High; 6 - High; 7 - Very High

Visual Resource Survey:		AES - RBEP	With Project
KOP Location:	Seaside Lagoon	Viewpoint:	KOP 2
Landscape Unit:	NA	Date:	Oct-12
Viewpoint Description (Figure Caption):	View from KOP 2 with the RBEP constructed and RBGS removed. One of the new stacks is visible beyond the trees in the foreground in the right portion of the view, to the right of the relocated whale mural.		
Photo Orientation:	North		
Viewer Position:	_____ Inferior <u>  X  </u> Level    _____ Superior		
View	Notes		
Foreground (0 - 1/2 mile)	With the replacement of RBGS with RBEP, the presence of a power-generating facility in the foreground is greatly diminished, with only a single stack visible beyond (and appearing to the right of) the relocated whale mural.		
Middleground (1/2 - 4 miles)	N/A		
Background (> 4 miles)	N/a		
Vividness			
Feature	Score*	Notes	
Landform	2	No change.	
Vegetation	4	While no additional vegetation would be visible in this view, the absence of the RBGS would cause the trees in the center of the view to stand out against a backdrop of mostly sky from this vantage point.	
Water Feature	N/A		
Human-Made	3	Without the RBGS, mostly utilitarian and unremarkable features - aside from the relocated whale mural - would remain visible. One of the RBEP stacks would be visible beyond the nearby trees in the right portion of the view.	
Overall	3.0	The view in this direction without the RBGS and Whaling Wall mural, and with the barely visible RBEP, would not contain many features of visual interest.	
Intactness			
Overall	4	Slight encroachment of the trees on the power plant is eliminated without RBGS in the view. The trees are the most dominant visual features; they are consistent in form and color and dispersed somewhat evenly throughout the view.	
Unity			
Overall	4	Without the RBGS, the view has a more consistent character, featuring mainly the roadways, parking areas and landscaping associated with the commercial uses in the area.	
Overall Visual Quality Score	3.7	Moderate	

\*Score Key:  
1 - Very Low; 2 - Low; 3 - Moderate; 4 - Average; 5 - Moderately High; 6 - High; 7 - Very High

Visual Resource Survey:		AES - RBEP		Existing Conditions	
KOP Location:	Redondo Pier	Viewpoint:	KOP 3	KOP Location:	Redondo Pier
Landscape Unit:	NA	Date:	Oct-11	Landscape Unit:	NA
Viewpoint Description (Figure Caption):	View to the north from the western portion of the Redondo Pier. The existing RBGS is visible in the center of the view, amid the varied Redondo Beach waterfront uses.		Viewpoint Description (Figure Caption):		
Photo Orientation:	North		Photo Orientation:		
Viewer Position:	_____ Inferior _____ X _____ Level _____ Superior		Viewer Position:		
View	Notes				
Foreground (0 - 1/2 mile)	The foreground includes the Pacific shoreline and the varied waterfront uses along the Redondo Beach coastline, which includes restaurants, harbor facilities, multi-family residences and breakwater structures.				
Middleground (1/2 - 4 miles)	The middleground includes the existing RBGS and the portions of Redondo Beach and Hermosa Beach located at higher elevations (a slight segment of which is visible in the right portion of the view).				
Background (> 4 miles)	In the left portion of the view the mountains within the Angeles National Forest, approximately 20 miles away, define the horizon.				
Vividness					
Feature	Score*	Notes			
Landform	4	Mostly flat seaside land is covered by development but framed somewhat by elevated portions of city to the northeast and the distant mountains visible to the north.			
Vegetation	4	Variety of vegetation visible in landscaped areas throughout view, varying in height and forms.			
Water Feature	5	The ocean's edge is the dominant feature in the foreground.			
Human-Made	5	Beyond the ocean and in front of the distance mountains, all visible, non-vegetative features are human-made. The breakwater structures are vivid in this particular view and the RBGS, especially its stacks, appear as particularly vivid features in the landscape. The Whaling Wall is a unique local feature.			
Overall	4.5	While the visible land space is completely occupied by waterfront uses, features such as the RBGS, whaling wall, and breakwater structures, as well as the distant landform, result in a vividness that is slightly above average overall.			
Intactness					
Overall	4	The ocean and breakwater and dock structures that occupy the immediate foreground appear distinct from the rest of the structures in the foreground. RBGS is limited to middleground, but defines skyline. Distant elevated landforms frame the view which includes vertical features (trees, RBGS stacks) throughout.			
Unity					
Overall	3	With the exception of the RBGS, which is the most prominent visible feature, there is a moderate degree of coherence to the view of an oceanfront community including commercial, maritime and residential uses.			
Overall Visual Quality Score	3.8	Moderate.			

\*Score Key:

1 - Very Low; 2 - Low; 3 - Moderately Low; 4 - Moderate; 5 - Moderately High; 6 - High; 7 - Very High

Visual Resource Survey:		AES - RBEP		With Project	
KOP Location:	Redondo Pier	Viewpoint:	KOP 3	KOP Location:	Redondo Pier
Landscape Unit:	NA	Date:	Oct-12	Landscape Unit:	NA
Viewpoint Description (Figure Caption):	View from KOP 3 with the RBEP constructed and RBGS removed. New stacks are visible above the foreground skyline in the center-right portion of the view.		Viewpoint Description (Figure Caption):		
Photo Orientation:	North		Photo Orientation:		
Viewer Position:	_____ Inferior _____ X _____ Level _____ Superior		Viewer Position:		
View	Notes				
Foreground (0 - 1/2 mile)	No change.				
Middleground (1/2 - 4 miles)	The RBGS would be removed from the middleground. The tops of the RBEP stacks would be visible in the middlegorund. The relocated whale mural on the RBEP would be only intermittently visible.				
Background (> 4 miles)	No change.				
Vividness					
Feature	Score*	Notes			
Landform	4	No change.			
Vegetation	4	No change			
Water Feature	5	No change			
Human-Made	4	Removal of the RBGS stacks and relocation of the partially-visible Whaling Wall reduces the degree to which human-made features contribute to the vividness of the view.			
Overall	4.3	The view remains slightly above average in terms of vividness, despite the removal / relocation of the existing view's most prominent features.			
Intactness					
Overall	5	Without the RBGS, the breakwater and docks appear as the most dominant built features in the view. The RBEP stacks appear lower than the trees it would sit beyond and the skyline appears much more intact than in the existng view.			
Unity					
Overall	4	Without the RBGS, the overall composition of the view is more that of a developed, seaside community, though there remains little structural consistency and the new RBEP would still be visible in the center of the view.			
Overall Visual Quality Score	4.4	Moderate			

\*Score Key:

1 - Very Low; 2 - Low; 3 - Moderately Low; 4 - Moderate; 5 - Moderately High; 6 - High; 7 - Very High

Visual Resource Survey:		AES - RBEP	Existing Conditions
KOP Location:	Pacific Coast Highway at Herondo Street	Viewpoint:	KOP 4
Landscape Unit:	NA	Date:	Apr-12
Viewpoint Description (Figure Caption):	View to the southwest from the northwest corner of the intersection of Pacific Coast Highway and Herondo Street. The existing RBGS is visible across the entire view, beyond the King Harbor gateway sign and Southern California Edison transmission facilities.		
Photo Orientation:	SW		
Viewer Position:	_____ Inferior _____ Level _____ X _____ Superior		
View	Notes		
Foreground (0 - 1/2 mile)	The foreground includes all visible features in the view, including the formal gateway to the King Harbor Area, the existing RBGS, and the Southern California Edison transmission corridor, on the opposite side of Herondo Ave.		
Middleground (1/2 - 4 miles)	The ocean is visible along the horizon.		
Background (> 4 miles)	The ocean is visible along the horizon.		
Vividness			
Feature	Score*	Notes	
Landform	4	A downward slope toward the ocean from this location is detectable.	
Vegetation	3	Landscaped area within the SCE transmission corridor provides a moderate degree of vividness to the view.	
Water Feature	3	The Pacific Ocean is visible in the middleground and background as backdrop to the view; however, it does not appear as a dominant feature in the view.	
Human-Made	3	Human-made features are the most vivid components in the view, though they are mostly unremarkable. King Harbor gateway sign signifies place, while SCE transmission structures are relatively unique.	
Overall	3.3	In this elevated view toward the ocean, all natural features - including the ocean and landform - are subordinate to the electricity generating and transmitting features that occupy the entire view. This results in a moderately vivid, if not especially attractive, view.	
Intactness			
Overall	2	With the exception of the RBGS stacks and two of the transmission poles on the opposite side of the intersection from the viewpoint, there is no consistency in form or line in this view.	
Unity			
Overall	2	The visual character of the view - which is of coastal energy producing and transmission facilities - is undermined by the co-location of the official gateway to the Redondo Beach King Harbor area.	
Overall Visual Quality Score	2.4	Low	

\*Score Key:

1 - Very Low; 2 - Low; 3 - Moderately Low; 4 - Moderate; 5 - Moderately High; 6 - High; 7 - Very High

Visual Resource Survey:		AES - RBEP	With Project
KOP Location:	Pacific Coast Highway at Herondo Street	Viewpoint:	KOP 4
Landscape Unit:	NA	Date:	Oct-12
Viewpoint Description (Figure Caption):	View from KOP 4 with the RBEP constructed and RBGS removed. The new Air-Cooled Condenser would be the most prominently visible RBEP feature.		
Photo Orientation:	SW		
Viewer Position:	_____ Inferior _____ Level _____ X _____ Superior		
View	Notes		
Foreground (0 - 1/2 mile)	The RBGS, currently located near the back of the foreground, would be replaced by the RBEP, which would be located toward the front of the foreground. Some of the trees lining North Harbor Drive would now be visible.		
Middleground (1/2 - 4 miles)	The breakwater would be visible just offshore and a larger portion of the ocean nearest the shoreline would be visible.		
Background (> 4 miles)	A greater portion of the ocean would be visible.		
Vividness			
Feature	Score*	Notes	
Landform	4	No change, though the visibility of the water nearest the shoreline would reinforce the downward slope.	
Vegetation	4	The additional visibility of the trees along North Harbor Drive would add a distinct line of vegetation to and define the boundary of the site's western edge.	
Water Feature	4	Removal of the RBGS allows the ocean to frame part of the view and reinforce the seaside location of the project site.	
Human-Made	4	The RBEP would appear in this view as a prominent feature, though less prominent than the RBGS. Removal of the RBGS results in the ocean serving as backdrop to the westernmost transmission towers in the right portion of the view. Visible breakwater structure indicates the presence of the marina.	
Overall	4.0		
Intactness			
Overall	3	With the ocean as backdrop, as opposed to the RBGS, the view appears substantially less cluttered, visually. However, the view's linear features are still inconsistent in terms of direction and the addition of the trees and breakwater in the middleground contribute to the less-than-moderate intactness.	
Unity			
Overall	3	With more of the oceanfront area visible, and the RBEP occupying less of the view than the RBGS does, the energy production and transmission features appear slightly more aligned with the roadway. Evidence of a harbor, as indicated by the sign, is visible.	
Overall Visual Quality Score	3.3	Moderately Low	

\*Score Key:

1 - Very Low; 2 - Low; 3 - Moderately Low; 4 - Moderate; 5 - Moderately High; 6 - High; 7 - Very High

Visual Resource Survey:		AES - RBEP		Existing Conditions	
KOP Location:	Kay Etow Park, Hermosa Beach		Viewpoint:	KOP 5	
Landscape Unit:	NA		Date:	Oct-11	
Viewpoint Description (Figure Caption):	View to the south-southeast from within Kay Etow Park, which is located along Hermosa Beach's southern border, on the north side of Herondo Avenue. The existing RBGS is the dominant feature in the right foreground view.				
Photo Orientation:	SSE				
Viewer Position:	_____ Inferior <u>  X  </u> Level    _____ Superior				
View	Notes				
Foreground (0 - 1/2 mile)	The foreground is occupied by the existing RBGS and SCE transmission corridor immediately across Herondo Street, as well as the office building and some residences visible beyond the RBGS area in the left portion of the view.				
Middleground (1/2 - 4 miles)	The lower elevations of the Palos Verdes peninsula are visible in the center of the view.				
Background (> 4 miles)	The higher elevations of the Palos Verdes peninsula are visible in the center of the view.				
Vividness					
Feature	Score*	Notes			
Landform	3	Relatively distant views of the Palos Verdes Peninsula are the only notable landforms visible; foreground is flat, coastal land.			
Vegetation	3	A single tree is in the direct line of sight from the park, and an overhanging tree within the park is visible in the view. Very little other vegetation is visible from this vantage point.			
Water Feature	N/A				
Human-Made	3	The RBGS stands out as a relatively unique - and in this view somewhat dominant - human-made feature. The orange office building is a source of color in the view. Wall along Herondo Street appears as a dark band across the view.			
Overall	3.0	In this view toward the project site from the southern edge of Hermosa Beach, the existing power plant's stacks and pipe system are prominent in a landscape that is otherwise mostly devoid of notable features.			
Intactness					
Overall	2.5	The view's components are clearly distinct from one another in terms of placement; however, from this vantage point, the multi-directional nature and internal encroachments of the horizontal and vertical elements (namely the power plant stacks, transmission poles and lines, roadway, tree and wall) result in a view that is generally inconsistent with regard to form and line.			
Unity					
Overall	2	The view contains a number of disparate parts. A power plant and office building are visible beyond a transmission corridor that appears to serve as a parking area for recreational vehicles. Residential uses appear beyond.			
Overall Visual Quality Score	2.5	Moderately Low			

\*Score Key:  
1 - Very Low; 2 - Low; 3 - Moderately Low; 4 - Average; 5 - Moderately High; 6 - High; 7 - Very High

Visual Resource Survey:		AES - RBEP		With Project	
KOP Location:	Kay Etow Park, Hermosa Beach		Viewpoint:	KOP 5	
Landscape Unit:	NA		Date:	May-12	
Viewpoint Description (Figure Caption):	View from KOP 5 with simulated project visible in the left portion of the view and the current RBGS removed from the right portion of the view.				
Photo Orientation:	SSE				
Viewer Position:	_____ Inferior <u>  X  </u> Level    _____ Superior				
View	Notes				
Foreground (0 - 1/2 mile)	The existing RBGS would be removed from the view and the RBEP would be visible, obscuring the office building visible beyond the project site in the existing view. The wall - the western edge of which would include the relocated whale mural - would obscure all of the RBEP except for the tops of two stacks in this view.				
Middleground (1/2 - 4 miles)	A wider portion of the elevated regions of Redondo Beach would be visible in front of the Palos Verdes peninsula.				
Background (> 4 miles)	With the removal of the RBGS, a substantially larger portion of the Palos Verdes peninsula would be visible from this location.				
Vividness					
Feature	Score*	Notes			
Landform	4	Without the RBGS, the Palos Verdes Peninsula defines a majority of the distant skyline.			
Vegetation	3	Very little change; slightly more vegetation is visible.			
Water Feature	N/A				
Human-Made	3	RBEP remains a dominant feature in the landscape, appearing bulkier, closer and less articulated than the existing RBGS. It obscures the office building beyond the project site, but visibility of relocated whale mural adds vividness. Linear features (road, wall, transmission lines) remain prominent in foreground.			
Overall	3.3	With the RBGS removed, more of the distant landform would be visible. However, the RBEP would be a less vivid structure and it would obscure most of the office building located beyond the project site.			
Intactness					
Overall	4	Removal of the RBGS from the right portion of the view results in more of a stepping down effect of built form toward the oceanfront and allows for a more cleanly defined horizon. The Wyland Whaling Wall encloses the RBEP in clean, clearly defined lines. With the RBEP much of the existing transmission infrastructure, which appears multi-leveled and multi-directional, is removed from the view.			
Unity					
Overall	3	Large structures appear more concentrated in the view with RBEP, and are mostly obscured behind Wyland Whaling Wall.			
Overall Visual Quality Score	3.4	Moderately low			

\*Score Key:  
1 - Very Low; 2 - Low; 3 - Moderately Low; 4 - Average; 5 - Moderately High; 6 - High; 7 - Very High