

Corridor 107-268

Angeles National Forest Southeast

Introduction

Corridor 107-268 (Figures 1 and 2) extends southwest to northeast from near San Fernando, CA, to the east of Acton, CA. The federally designated portions of this corridor are entirely on National Forest System land, with a 1,000-ft width over its entire length. Corridor 107-268 is designated for electrical transmission projects. The corridor spans 19.6 miles, with 17.3 miles designated on USFS-administered lands. The corridor's area is 2,098 acres or 3.3 square miles. This corridor is entirely in Los Angeles County, California, and entirely within Angeles National Forest. It is entirely in Region 1.

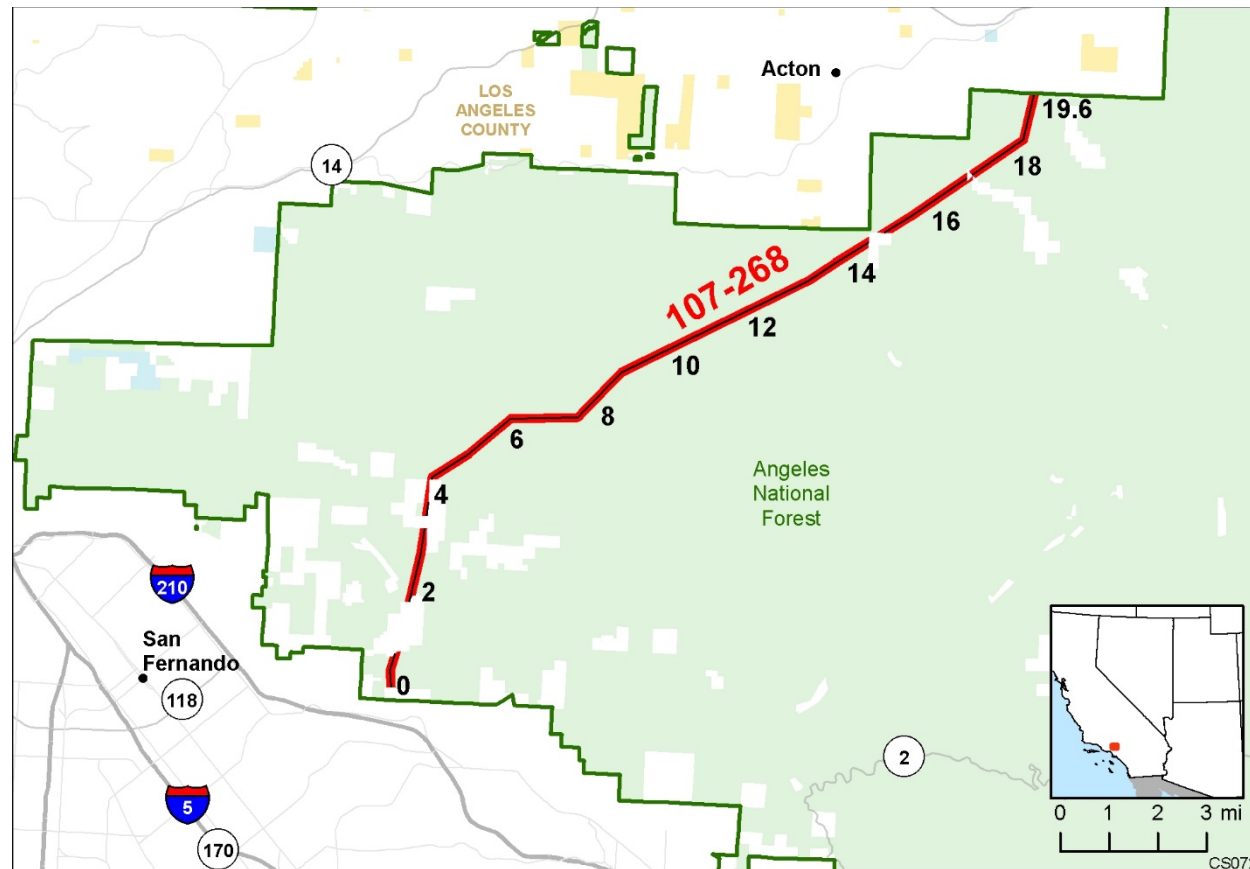
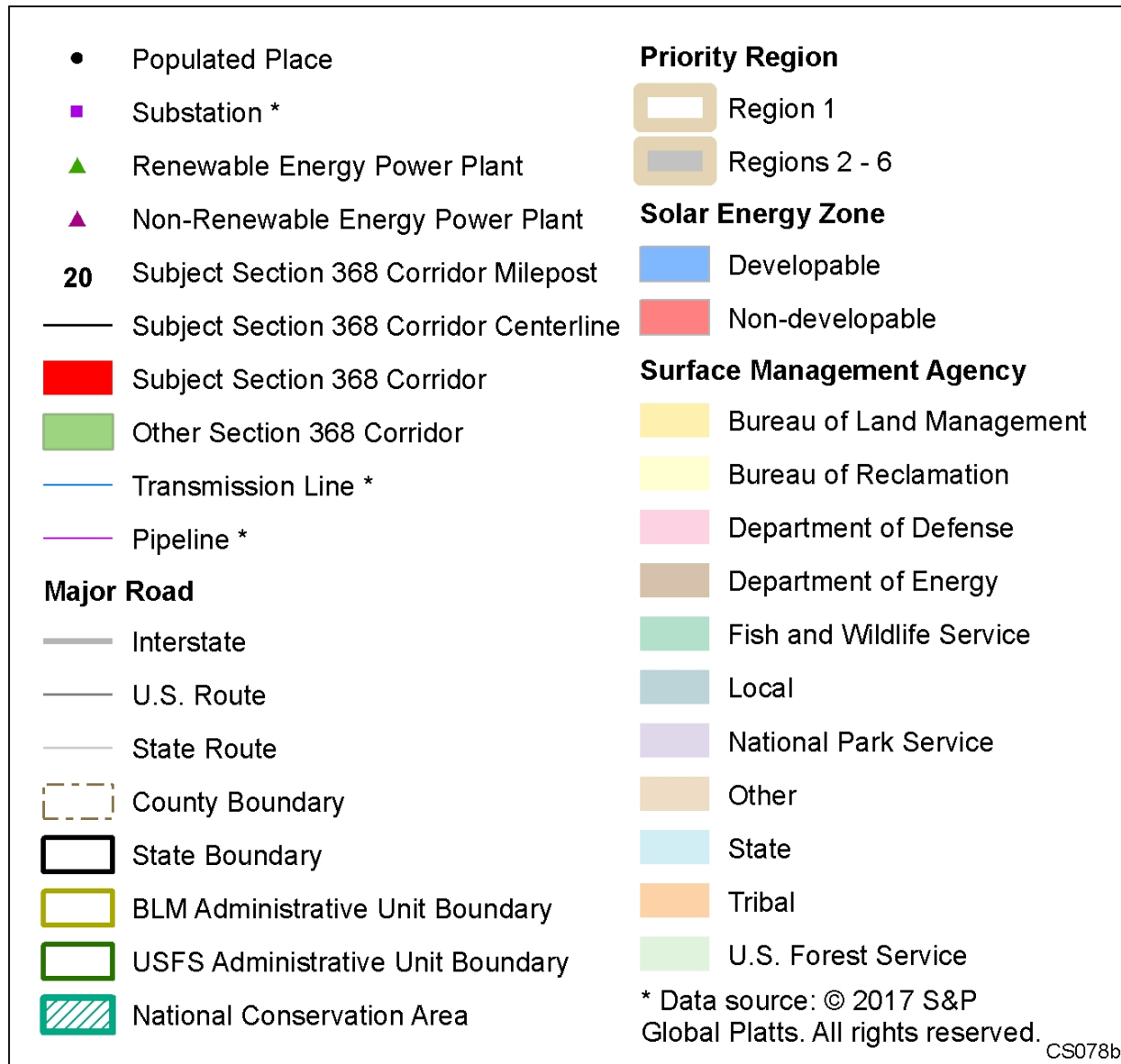


Figure 1. Corridor 107-268



Key

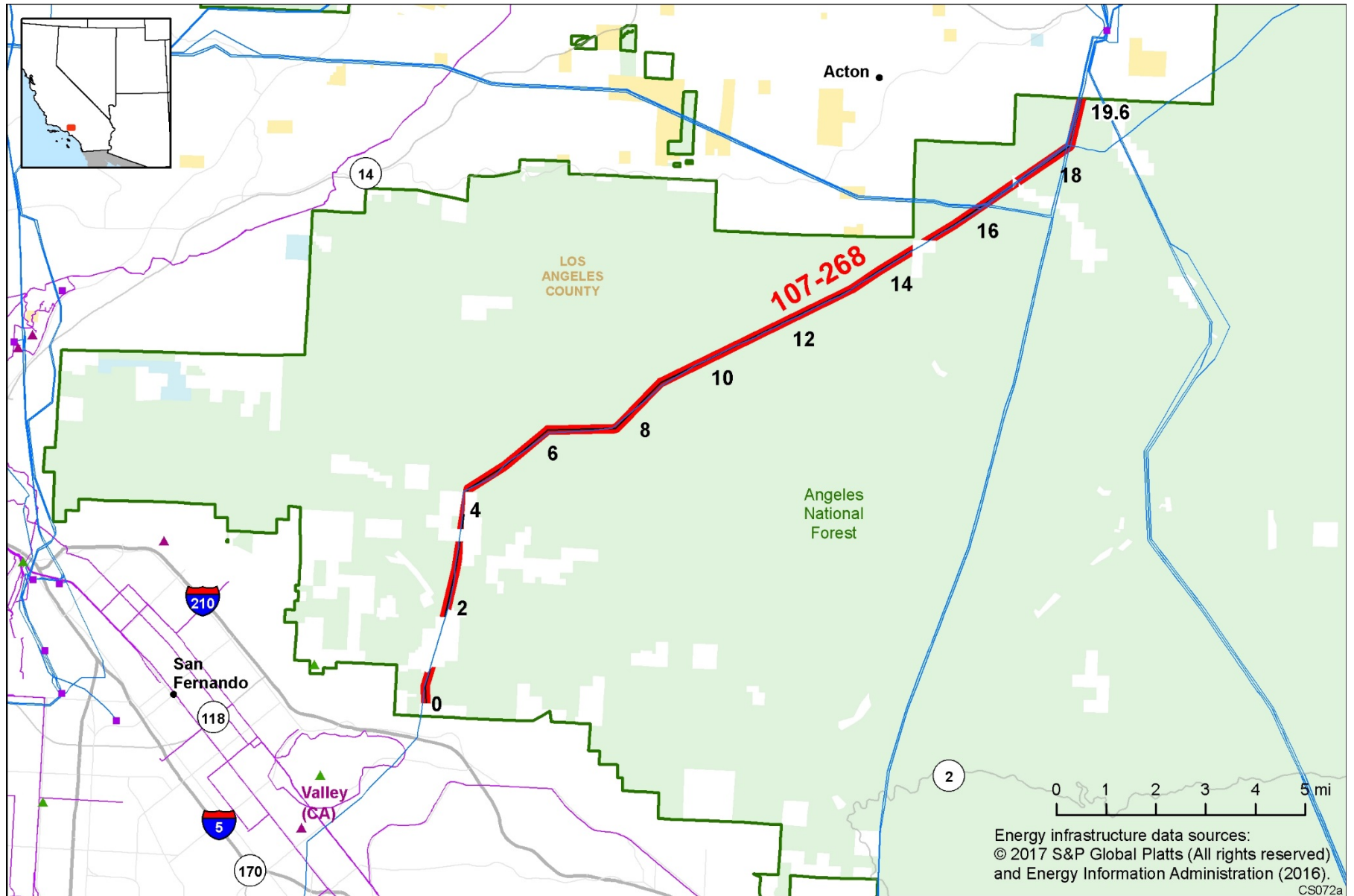


Figure 2. Corridor 107-268, Including Existing Energy Infrastructure

Corridor Rationale

During scoping for the WWEC PEIS, routes generally following this corridor were suggested by Western Transmission Protocol. The corridor was designated as a Section 368 energy corridor, consistent with the previously designated energy corridor in the forest plan to support existing and future electricity infrastructure. The Angeles National Forest staff had no comments regarding this corridor during interviews for the Corridor Study.

Existing Infrastructure: Current approved projects occupying parts of the corridor include a 500-kV electric transmission line running the entire length of the corridor, and a 230-kV electric transmission line traversing the corridor for a short distance at the north end. The majority of the corridor south of MP 15 contains the LADWP transmission line (500 kV). North of MP 16, three SCE transmission lines (a 220-kV and two 230-kV lines) are present; a separate 230-kV transmission line is also located in the corridor. An LADWP hydroelectric plant and substation are within one mile of the corridor centerline and several roads cross through the corridor.

Potential Future Development: Platts data indicate that there is a planned Tehachapi Renewable Transmission Project 500-kV transmission line and several existing transmission lines within the corridor. SCE indicated that there are 9,989 MW of CAISO-queued generation and 496 MW of SCE-queued generation near (or which could use) the corridor. The corridor is within the RETI 2.0 Tehachapi TAFE, providing opportunity for the corridor to accommodate transmission tied to renewable energy development. A 500-kV line was proposed and cancelled. SCE commented that there is capacity for new transmission projects. A new line in this corridor would have to loop into the existing line on the southern end with a new looping substation, or would need to continue northwest to LADWP's substation or southeast to one of two SCE substations. A few miles of the northeast section of this corridor could be used, since it parallels an existing SCE ROW.

Corridor of Concern Status

Corridor 107-268 is a corridor of concern. Concerns regarding the National Forest and citizen-proposed wilderness were identified in the Settlement Agreement. These issues are highlighted in yellow in the Corridor Analysis table below.

Corridor Abstract Update

New data have been added to the Section 368 Energy Corridor Mapping Tool since the release of the draft abstracts in September 2016. A GIS view identifying high-, medium-, and low-conflict areas consistent with the screening criteria in 43 CFR 2804.35(a)-(c) has also been added to the mapping tool. A complete description of the mapping tool, descriptions of the high-, medium-, and low-conflict areas, and a list of the GIS data sources are included in the report for Region 1.

Additions to the corridor analysis table, based on input from stakeholders and additional review by the Agencies, include transmission or pipeline capacity opportunity, WWEC purpose (proximity to RETI 2.0 TAFE), special status species, specially designated areas, and tribal concerns.

Revisions, deletions, or additions to Section 368 energy corridors would be made only during the land use planning process through a plan amendment for an individual project or a plan revision. However, the Settlement Agreement sets forth a systematic process for the Agencies to review Section 368 energy corridors and provide recommendations for revisions, deletions, or additions to the corridors. There was a stakeholder recommendation in the 2014 RFI for this corridor to avoid the National Forest and citizen-proposed wilderness. There were no suggestions for corridor revision, deletion, or addition in response to the release of the draft abstracts. On the basis of Agency analysis of these issues, corridor revisions, deletions, or additions are not recommended for Corridor 107-268.

Corridor Analysis

The corridor analysis table below identifies concerns affecting Corridor 107-268, the location of the concerns within the corridor, and the results of the analysis of the concerns by the Agencies. Concerns are checked if they are known to apply to the corridor.

Energy Planning Opportunities

- Appropriate and acceptable uses
- WWEC purpose (e.g., renewable energy)
- Transmission and pipeline capacity opportunity

Energy Planning Concerns and Opportunities

- Physical barrier
- Jurisdictional concern
- Corridor alignment and spacing
- Transmission and pipeline capacity concern

Land Management Responsibilities and Environmental Concerns

- Acoustics
- Air quality
- Climate change
- Cultural resources
- Ecological resources
- Environmental justice
- Hydrological resources
- Lands and realty
- Lands with wilderness characteristics

Livestock grazing

- Paleontology
- Public access and recreation
- Socioeconomics
- Soils/erosion
- Specially designated areas
- Tribal concerns
- Visual resources
- Wild horses and burros

Interagency Operating Procedures

REGION 1 – CORRIDOR 107-268 – ANALYSIS TABLE

ID	Agency	Agency Jurisdiction	County	Primary Concern/ Opportunity	Corridor Location (by Milepost [MP])	Source: Context	Agency Review and Analysis
ENERGY PLANNING OPPORTUNITIES							
<i>Appropriate and Acceptable Uses</i>							
107-268 .004	USFS	Angeles National Forest	Los Angeles, CA	Unknown structure partially within corridor	MP 14.2	GIS Analysis.	There is generally space for additional lines, since the corridor is 1,000 feet wide.
107-268 .006	USFS	Angeles National Forest	Los Angeles, CA	Unknown structure partially within corridor	MP 17.4	GIS Analysis: unknown structure in an undesignated gap in the corridor.	There is generally space for additional lines, since the corridor is 1,000 feet wide. However, additional projects may need to be negotiated with the property holder of the undesignated portion.
<i>WWEC Purpose</i>							
107-268 .new1	USFS	Angeles National Forest	Los Angeles, CA	RETI 2.0 Tehachapi TAFE	Entire corridor	Comment on corridor abstract: corridor is within the Tehachapi TAFE.	The TAFE provides opportunity for the corridor to accommodate transmission tied to renewable energy development.

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ID	Agency	Agency Jurisdiction	County	Primary Concern/ Opportunity	Corridor Location (by Milepost [MP])	Source: Context	Agency Review and Analysis
Transmission and Pipeline Capacity Opportunity							
107-268 .new2	USFS	Angeles National Forest	Los Angeles, CA	Extend corridor north approximately 1.5 miles.	MP 19.6	Comment on corridor abstract: corridor could provide a diverse path if extended north approximately 1.5 miles. The southern end of the corridor is near an existing 220-kV line and a new line in this corridor would have to loop into an existing line on the southern end with a new looping substation, or would need to continue northwest to LADWP's substation or southeast to one of two SCE substations.	Section 368 energy corridors can only be designated on federal land. The corridor ends at the edge of the Angeles National Forest and federal lands do not extend north of the corridor. Proponents wishing to extend projects north of Corridor 107-268 would have to negotiate route development with non-USFS-jurisdiction landowners.
ENERGY PLANNING CONCERNS							
Corridor Alignment and Spacing							
107-268 .009	USFS	Angeles National Forest	Los Angeles, CA	Narrow corridor segment	MP 3.6 to MP 4.5	GIS Analysis: corridor narrows to ~270 ft. because of a non-FS inholding. The corridor is occupied by one project already.	If another project cannot be accommodated within the narrow section of corridor, proponents for additional projects would have to negotiate with the non-USFS-jurisdiction landowners on either side of the designated corridor.
107-268 .010	USFS	Angeles National Forest	Los Angeles, CA	Multiple projects	MP 16.3 to MP 16.7	GIS Analysis: multiple projects cross and follow the corridor.	There is generally space for additional lines, since the corridor is 1,000 feet wide.
107-268 .011	USFS	Angeles National Forest	Los Angeles, CA	Multiple projects	MP 18.4 to MP 18.8	GIS Analysis: multiple projects crossing and following corridor.	There is generally space for additional lines, since the corridor is 1,000 feet wide.
107-268 .003	USFS	Angeles National Forest	Los Angeles, CA	LADWP 500-kV line	MP 0.0 to MP 18.6	GIS Analysis.	There is generally space for additional lines, since the corridor is 1,000 feet wide.

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ID	Agency	Agency Jurisdiction	County	Primary Concern/ Opportunity	Corridor Location (by Milepost [MP])	Source: Context	Agency Review and Analysis
107-268 .005	USFS	Angeles National Forest	Los Angeles, CA	Multiple transmission lines	MP 16.4 to MP 16.6; MP 18.4 to MP 19.6	GIS Analysis.	There is generally space for additional lines, since the corridor is 1,000 feet wide.
107-268 .007	USFS	Angeles National Forest	Los Angeles, CA	SCE 220-kV line	MP 18.5 to MP 19.6	GIS Analysis.	There is generally space for additional lines, since the corridor is 1,000 feet wide.
107-268 .008	USFS	Angeles National Forest	Los Angeles, CA	SCE 230-kV lines	MP 16.3 to MP 19.6	GIS Analysis.	There is generally space for additional lines, since the corridor is 1,000 feet wide.
LAND MANAGEMENT RESPONSIBILITIES AND ENVIRONMENTAL CONCERNS							
Ecology: Special Status Animal Species							
107-268 .012	USFS	Angeles National Forest	Los Angeles, CA	Southwestern Willow Flycatcher and Santa Ana Sucker	Critical habitat runs north and south of corridor. Closest point is 1.2 km (0.7 mi) from southern end of corridor (MP 0)	RFI: Southwestern Willow Flycatcher and Santa Ana Sucker critical habitat within 1.2 km (0.7 mi) of segment.	Impacts on habitat and habitat connectivity can be avoided, minimized, or mitigated through activities identified and implemented in consultation with the USFWS under ESA Section 7. Analysis would be completed through the NEPA process case by case with a full range of alternatives.
107-268 .new3				California Red-legged Frog critical habitat	Not specified	There were stakeholder suggestions in the RFI to delete or replace the corridor segment that is adjacent to the California Red-legged Frog critical habitat.	There is no alternative corridor located along existing infrastructure that would further avoid California Red-legged Frog critical habitat. Impacts on habitat and habitat connectivity can be avoided, minimized, or mitigated through activities identified and implemented in consultation with the USFWS under ESA Section 7. Analysis would be completed through the NEPA process case by case with a full range of alternatives.

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ID	Agency	Agency Jurisdiction	County	Primary Concern/ Opportunity	Corridor Location (by Milepost [MP])	Source: Context	Agency Review and Analysis
Lands and Realty: Rights-of-Way and General Land Use							
107-268 .001	USFS	Angeles National Forest	Los Angeles, CA	Aliso Canyon Rd.	MP 17.3 to MP 17.5	GIS Analysis.	Consistent with USFS ROW regulations; adjacent ROW holders would be notified.
107-268 .002	USFS	Angeles National Forest	Los Angeles, CA	Little Tujunga Canyon Rd.	MP 2.0 to 2.6; MP 3.2 to 3.3; MP 3.6; MP 3.8	GIS Analysis: Little Tujunga Canyon Rd crosses through corridor multiple times.	Consistent with USFS ROW regulations; adjacent ROW holders would be notified.
107-268 .013	USFS	Angeles National Forest	Los Angeles, CA	Part of designated corridor no longer under federal jurisdiction	MP 0.6 to MP 0.7, MP 1.8 to MP 2.0, MP 3.0 to MP 3.3, MP 3.6 to MP 4.4, MP 17.2 to MP 17.5	GIS Analysis: 45 acres were originally designated as part of this corridor but are no longer on federal land, according to the 5/12/2015 version of Surface Management Agency data.	USFS would consider adjusting the corridor designation in a future land use plan amendment to be consistent with the current jurisdiction, possibly during future project implementation.
Specially Designated Areas							
107-268 .014	USFS	Angeles National Forest	Los Angeles, CA	California Desert Conservation Area (CDCA)	MP 19.6	GIS Analysis: CDCA is adjacent to corridor on northern end.	The corridor is not within the CDCA. Impacts would be analyzed as part of the project-specific environmental review required under NEPA and other Federal laws.
107-268 .015	USFS	Angeles National Forest	Los Angeles, CA	Citizens' proposed wilderness	Not specified	Citizens' proposed wilderness was mentioned in stakeholder input as being located near the corridor, but no specific mileposts were identified. Settlement Agreement: reroute to avoid concern.	Prior to designating new corridors or prior to conducting surface-disturbing activities in areas of designated corridors or recommended corridor revisions, the USFS would conduct a site-specific evaluation for wilderness characteristics.
107-268 .016	USFS	Angeles National Forest	Los Angeles, CA	Pacific Crest National Scenic Trail	MP 10.3 to MP 10.5	GIS Analysis: corridor crosses the Pacific Crest NST.	Impacts on the Pacific Crest NHT by future proposals would be analyzed and avoided, minimized, or mitigated case by case during project-specific environmental review required under NEPA and other Federal laws. For transmission corridors that intersect or parallel National Trail

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<p>System components, or trails under study for potential designation, the National Trail administering agency or trail administrator; regional or State program leader; and a primary National Trail partner organization representative (in accordance with applicable law) will be advised and invited to attend pre-authorization or pre-application meetings, as applicable. Agencies may not permit proposed uses along congressionally designated National Scenic or Historic Trails [NTSA Sec. 5(a)], which will substantially interfere with the nature and purposes of the trail, and shall make efforts, to the extent practicable, to avoid authorizing activities that are incompatible with the purposes for which such trails were established [NTSA Sec. 7(c)]. While rights-of-way may be granted, conditions shall be related to the policy and purposes of the National Trails Systems Act [NTSA Sec. 9(a)].</p>							
Tribal Concerns							
107-268 .new4	USFS	Angeles National Forest	Los Angeles, CA	Ancestral Territory	Northeast end of corridor	Comment on abstract: corridor is in Serrano Ancestral Territory from Acton to east end.	The California tribes, including the San Manuel Band of Mission Indians, would be consulted on project activities regarding the corridor.
Other Issues							
107-268 .new5				Corridor capacity; width; extension	Not specified	Input was provided clarifying existing capacity and potential for new capacity. One stakeholder	The input provided by stakeholders regarding existing capacity and potential for future capacity has been added to the corridor abstracts

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ID	Agency	Agency Jurisdiction	County	Primary Concern/ Opportunity	Corridor Location (by Milepost [MP])	Source: Context	Agency Review and Analysis
						noted that the corridor width needs to be clarified. There was a stakeholder suggestion to extend the corridor north approximately 1.5 miles to provide a more diverse path.	and has been considered in the Agencies’ analysis. The corridor width is described in the corridor abstract and in the corridor overview section of this corridor summary. While the Agencies cannot predict the number of additional projects that could potentially be sited within Section 368 energy corridors, they have determined that there is sufficient width to accommodate additional transmission lines. Section 368 energy corridors can be designated only on Federal lands. The corridor ends at the edge of the Angeles National Forest, and Federal lands do not extend north of the corridor. Proponents for projects extending north of Corridor 107-268 would have to negotiate with the non-Federal jurisdiction landowners.

Abbreviations: BLM = Bureau of Land Management; CAISO = California Independent System Operator; CDCA = California Desert Conservation Area; CFR = Code of Federal Regulations; GIS = geographic information system; LADWP = Los Angeles Department of Water and Power; MP = milepost; NEPA = National Environmental Policy Act; NHT = National Historic Trail; RFI = Request for Information; SCE = Southern California Edison; USFS = U.S. Forest Service; WWEC = West-wide Energy Corridor