

Appendix B
NextG Construction Protocol Measures



Construction Protocol Measures For Work in Previously-Disturbed Public Rights-of-Way And Utility Easements

Site Conditions (1.0)	
1.1.	NextG will keep construction and staging areas orderly, free of trash and debris, and restore areas disturbed by project construction along the proposed route to their pre-project condition.
1.2.	<p>NextG will:</p> <ul style="list-style-type: none"> • maintain orderly staging and construction areas; • identify and comply with local regulations and requirements concerning architectural design and landscaping; • restore conduit installation sites to pre-construction conditions
1.3.	<ul style="list-style-type: none"> • As part of its standard construction operating procedure, NextG will ensure that construction lights will be directed away from the visual field of motorists and pedestrians along any streets or right-of-ways. • No nighttime construction (between the hours of 8:00 p.m. and 7:00 a.m.) will occur within 500 yards of any residence or non-residential sensitive use, unless otherwise approved by the applicable jurisdiction.
Air Quality (2.0)	
2.1.	<p>NextG will implement construction "best management practices" to reduce dust and air emissions, including the following:</p> <ul style="list-style-type: none"> • water all active construction areas as needed to control dust; • cover all trucks hauling soil, sand, and other loose materials; • sweep daily all paved access roads, parking areas and staging areas at construction sites.
Cultural Resources (3.0)	
3.1.	<ul style="list-style-type: none"> • If buried cultural resources, such as chipped or ground stone, historic debris, building foundation, or human bone, are inadvertently discovered during ground-disturbing activities, work will stop in that area and within 100 feet of the find until a qualified archaeologist can assess the significance of the find and, if necessary, develop appropriate measures in consultation with the CPUC, State Historic Preservation Officer, and other appropriate agencies. • If human remains are discovered or recognized in any location other than a dedicated cemetery, NextG will suspend further excavation or disturbance of the site and any nearby areas reasonably suspected to overlie adjacent human remains until the coroner of the county has been informed and has determined that no investigation of the cause of death is required. • If human remains of Native American origin are discovered on federal land during ground-disturbing activities, pursuant to the Native American Graves

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	<p>Protection and Repatriation Act (NAGPRA), NextG will:</p> <ul style="list-style-type: none"> ▪ Notify the county coroner or the sheriff; ▪ Notify, in writing, the responsible federal agency; and ▪ Cease activity in the area of discovery and protect the human remains. <ul style="list-style-type: none"> • In the event that fossil remains are encountered, either by the cultural resources monitor or by construction personnel, qualified paleontological specialists will be contacted. Construction within 100 feet of the find in non-urban areas and 50 feet in urban areas will be temporarily halted or diverted until a qualified vertebrate paleontologist examines the discovery.
Geology and Soils (4.0)	
4.1.	<ul style="list-style-type: none"> • Sediment generated on the project site will be retained using structural drainage controls. • Excavated or disturbed soil will be kept within a controlled area surrounded by a perimeter barrier that may entail silt fence, hay bales, straw wattles, or a similarly effective erosion control technique that prevents the transport of sediment from a given stockpile. • All stockpiled material will be covered or contained in such a way that eliminates offsite runoff from occurring. • Upon completion of construction activities, excavated soil will be replaced and graded so that post-construction topography and drainage matches pre-construction conditions. • Surplus soil will be transported from the site and disposed of appropriately.
Hazards and Hazardous Materials (5.0)	
5.1	<ul style="list-style-type: none"> • NextG will ensure proper labeling, storage, handling, and use of hazardous materials in accordance with best management practices and the Occupational Safety and Health Administration's HAZWOPER requirements. • NextG will ensure that employees are properly trained in the use and handling of hazardous materials and that each material is accompanied by a material safety data sheet. • Any small quantities of hazardous materials stored temporarily in staging areas will be stored on pallets within fenced and secured areas and protected from exposure to weather. Incompatible materials will be stored separately, as appropriate. • All hazardous waste materials removed during construction will be handled and disposed of by a licensed waste disposal contractor and transported by a licensed hauler to an appropriately licensed and permitted disposal or recycling facility, to the extent necessary to ensure the area can be safely traversed. • Significant releases or threatened releases of hazardous materials will be reported to the appropriate agencies.
Land Use (6.0)	
6.1.	<ul style="list-style-type: none"> • NextG will obtain all necessary permits and/or conditions of approval from local jurisdictions. NextG will retain records regarding all such permits and/or conditions of approval and make them available for inspection by the CPUC upon request.
Noise (7.0)	
7.1.	<ul style="list-style-type: none"> • NextG will require construction contractors to comply with the construction-hour limitations and construction equipment standards set forth by each local jurisdiction.

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Transportation/Traffic (8.0)	
8.1.	<ul style="list-style-type: none">• NextG will obtain all necessary local and State road encroachment permits and railroad encroachment permits, prior to construction, and will comply with all the applicable conditions of approval.• NextG will consult with the local jurisdiction, and will prepare a traffic control plan in accordance with professional engineering standards prior to construction, if required.
Utilities and Service Systems (9.0)	
9.1.	NextG will determine the location of subsurface utilities and avoid them during construction activities.
9.2.	NextG will recycle and dispose of construction materials to minimize generation of solid waste resulting from construction activities.



**Additional Construction Protocol Measures
For Work in Non-Disturbed and/or
Biologically-Sensitive Areas**

Noise (Cont'd) (7.0)

7.2.

- For construction in those jurisdictions where there are no specific construction-related standards, NextG will require its contractors to limit any noise producing construction activity to the hours of 7:00 a.m. to 7:00 p.m., Monday through Saturday.
- All equipment will have sound-control devices no less effective than those provided on original equipment;
- No equipment will have an unmuffled exhaust;
- Construction equipment will be located as far from sensitive receptors (e.g., residences, schools, places of worship, and hospitals) as possible; and
- If traffic control devices requiring electrical power are employed within 500 feet of sensitive receptors, the devices will be battery/solar powered instead of powered by electrical generators.

In addition, NextG will implement a variety of measures to reduce noise levels from directional boring where noise levels of 60 dBA or greater would be experienced at sensitive receptor locations. For example:

- Special mufflers can be applied to the boring rig exhaust;
- Shielding can be erected between the noise source and the receptor; or
- As an extreme measure, a temporary enclosure can be erected to house the boring operation.

NextG will implement all reasonable and customary noise reduction measures as part of the proposed project. NextG will also post the name and telephone number of a person for the public to contact to resolve noise-related problems.

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Transportation/Traffic (Cont'd) (8.0)	
8.2.	<ul style="list-style-type: none"> • NextG will identify all roadway locations where special construction techniques (e.g., directional drilling or night construction) would be used to minimize impacts to traffic flow. • NextG will develop circulation and detour plans to minimize impacts to local street circulation. This will include the use of signing and flagging to guide vehicles through and/or around the construction zone. • NextG will schedule truck trips outside of peak morning and evening commute hours. • NextG will limit lane closures during peak hours to the extent possible. • NextG will use haul routes minimizing truck traffic on local roadways to the extent possible. • NextG will include detours for bicycles and pedestrians in all areas potentially affected by project construction. • NextG will install traffic control devices as specified in the California Department of Transportation Manual of Traffic Controls for Construction and Maintenance Work Zones. • Next G will store construction materials only in designated areas. • NextG will coordinate with local transit agencies for temporary relocation of routes or bus stops in work zones, as necessary.
8.3.	<p>To avoid impeding emergency vehicle traffic around the construction activities, NextG will develop an Emergency Vehicle Access Plan that includes the following:</p> <ul style="list-style-type: none"> • Evidence of advanced coordination with emergency service providers, including but not necessarily limited to police departments, fire departments, ambulance services, and paramedic services; • Emergency service providers will be notified of the proposed project locations, nature, timing, and duration of any construction activities, and will be asked for advice about any road access restrictions that could impact their response effectiveness; and • Project construction schedules and routes designed to avoid restricting movement of emergency vehicles to the best extent possible. • Provisions to be ready at all times to accommodate emergency vehicles at locations where access to nearby properties may be blocked. Provisions could include the use of platings over excavations, short detours, and/or alternate routes.
Biological Resources (10.0)	
10.1.	<ul style="list-style-type: none"> • NextG will conduct a Worker Environmental Awareness Program (WEAP) for construction crews to educate workers to be aware of sensitive biological resources. • The WEAP training will include a brief review of any relevant sensitive biological resources, as identified in the Pre-Construction Checklist for Biological Resources • NextG will retain qualified biologists and resource specialists to monitor construction activities where sensitive resources have been identified. • NextG will confine construction equipment and associated activities to the approved right-of-way at all locations. • Construction impacts will be limited to a 20-foot right-of-way in areas that support sensitive resources (e.g., near areas that support riparian and wetland communities and special-status species adjacent to the work area), as delineated by qualified biologists or resource specialists prior to

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	<p>construction.</p> <ul style="list-style-type: none"> • Work area boundaries will be delineated with flagging or other marking to minimize surface disturbance associated with vehicle straying and minimize the potential for inadvertent worker intrusion into sensitive areas. • After NextG has identified specific project routes, qualified biologists will carry out focused pre-construction biological resource surveys consistent with approved survey protocols to identify the location of sensitive biological resources • Sensitive resources will be clearly mapped and marked on construction drawings or project maps before construction in these areas • If sensitive resources cannot be avoided, no work will be authorized until the appropriate resource agencies (CDFG, USFWS, NMFS) determine that the action will not result in significant impacts to biological resources.
<p>10.2.</p>	<ul style="list-style-type: none"> • Prior to construction, a qualified biologist will survey project areas and establish exclusion zones around special-status plant populations or areas identified as suitable habitat for special-status plants that were not identifiable at the time of the field surveys. • Exclusion zones will have a minimum 20-foot radius and will be marked in the field with stakes and flagging, and correspondingly be marked on the construction drawings. Construction-related activities will be prohibited within these zones. • Construction activities, vehicle operation, material and equipment storage, and other surface-disturbing construction activities will be prohibited within the exclusion zones. Fiber optic cable installation near these resources will be accomplished by rerouting around the exclusion zone. If rerouting is not feasible, the fiber optic conduit will be bored beneath the exclusion zone. • NextG will remove all stakes and flagging demarcating exclusion zones within 60 days after construction and site restoration have been completed in the area. <p><i>Additionally, NextG will avoid impacts on CNPS Lists 2 and 4 special-status plant populations by implementing the following specific measures:</i></p> <ul style="list-style-type: none"> • Identify plant populations and areas identified as suitable habitat in the construction corridor and staging areas using staking and flagging; • Conduct construction activities when the plant is not flowering or fruiting; • Minimize disturbance in areas that support special-status plants by limiting ground disturbance and other activities to the smallest possible corridor; and • Identify CNPS List 2 plant populations that may be affected at least 2 weeks prior to disturbance, to allow for coordination with the appropriate land management and resource agencies for determination of the appropriate measures to take to avoid/reduce vegetation damage.
<p>10.3.</p>	<p>NextG will implement the following measures:</p> <ul style="list-style-type: none"> • Use certified weed-free imported materials (or rice straw in upland areas); • Continue to coordinate with land management agencies to ensure that the appropriate best management practices are implemented. • County agricultural commissions and land management agencies will be contacted to develop lists of target noxious weed species for each project and to discuss measures to avoid the dispersal of noxious weeds; and • Educate construction supervisors and managers on weed identification and

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	the importance of controlling and preventing the spread of noxious weed infestations.
Hydrology and Water Quality (11.0)	
11.1.	<ul style="list-style-type: none"> NextG will manage construction-induced sediment and excavated spoils in accordance with the requirements of the State Water Resources Control Board (SWRCB) National Pollution Discharge Elimination System (NPDES) permit for storm water runoff associated with construction activities.
11.2.	<ul style="list-style-type: none"> Prior to the onset of construction, NextG will complete a Storm Water Prevention Pollution Plan (SWPPP) that outlines Best Management Practices (BMPs) to control discharges from construction areas.
11.3.	<ul style="list-style-type: none"> If the build requires directional boring activities near streams, NextG will provide the CPUC with a Frac-out Contingency Plan. The Plan will outline procedures NextG would put in place for containment, as well as cleanup equipment that must be present for use at staging areas and construction sites.
Recreation (12.0)	
12.1.	<ul style="list-style-type: none"> NextG will schedule construction to avoid peak use periods (e.g., weekends and holidays) for recreational facilities. NextG will provide onsite notification of recreational access closures at least two weeks in advance, through the posting of signs and/or notices. All ground surfaces will be restored as close to pre-project conditions as soon as possible or practicable.