

Table 2
Mitigation Measures Requiring Ongoing Monitoring

Mitigation No. (Page #)	Mitigation Measure (Page #)	Individual Responsible for Monitoring and/or Reporting	Individual or Organization Responsible for Verifying Compliance	Timing of Initial Action	Frequency and Duration of Monitoring	Performance Criteria	Proposed Funding
4.1 LAND USE AND PLANNING POLICIES							
4.1-3 Revised Draft EIR page 4.1-51 Addendum, September 2012, Ex. A	Implement Mitigation Measure 4.4-1a as it pertains to <i>agricultural land and open space. As an alternative to this measure, once the Placer County Conservation Plan is adopted, project applicants may participate in the PCCP to mitigate affected resources impacts covered in the PCCP. In determining whether lands to be preserved under Mitigation Measure 4.4-1a adequately compensate for the loss of agricultural land due to development of the Specific Plan, the Planning Director shall consult with the Agricultural Commissioner prior to approval of any Open Space Mitigation and Management Plan prepared pursuant to Mitigation Measure 4.4-1a. For purposes of calculating the amount of agricultural land to be preserved off-site, no credit shall be given for on-site open space that is to be preserved under the Specific Plan. However, in reviewing Open Space Mitigation and Management Plans pursuant to Mitigation Measure 4.4-1a, and specifically in determining whether "substantial portion[s]" of the mitigation lands are in agricultural production or have the potential for agricultural production, the County may determine that Open Space and Mitigation Management Plans with very substantial percentages of agricultural acreage can also provide compensation for on-site open space acres that are not suitable for agriculture.</i>	Applicant	County Planning Department	Prior to approval of improvement plans	Once during review of improvement plans	Proper ratio of open space preserved	Applicant
4.1-13a Revised Draft EIR	Comply with all applicable mitigation measures set forth in the <i>Environmental Impact Report, City of Lincoln Wastewater Treatment and Reclamation</i>	City of Lincoln	City of Lincoln	Start of construction	Ongoing during construction and operation	Absence of water quality and other	Applicant

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page 4.1-63	Facility, certified by the City of Lincoln City Council on March 9, 1999 during construction and operation of the recycled water facility.					environmental issues	
4.113b -13b Revised Draft EIR page 4.1-63	Prior to construction of any facilities not within the area assessed by the <i>Environmental Impact Report, City of Lincoln Wastewater Treatment and Reclamation Facility</i> , such as potential future downstream diversion structures, perform an initial study in accordance with CEQA to determine subsequent environmental assessment needs. This should include consideration of site-specific biological, wetland and cultural resource assessments.	City of Lincoln	City of Lincoln	Prior to construction	Once prior to construction	All potential significant impacts and mitigation measures identified	Applicant
4.1-13c Revised Draft EIR page 4.1-63	Compliance with mitigation measures set forth in this Revised Draft EIR or similar measures proposed by the City of Lincoln designed to reduce impacts to visual quality, water quality, biological resources, soils, cultural resources, air quality, and the noise environment, including Mitigation Measures 4.2-6a, 4.2-6b, 4.3.4-1c, 4.3.4-2a, 4.3.4-2b, 4.3.4-2c, 4.3.4-3a, 4.3.4-3b, 4.4-1a, 4.4-1b, 4.4-1c, 4.4-1d, 4.4-1e, 4.4-1f, 4.4-1g, 4.4-1h, 4.4-1i, 4.4-14, 4.4-15, 4.4-16, 4.4-17, 4.4-18, 4.4-20, 4.4-21, 4.4-22, 4.4-23, 4.4-24, 4.4-26, 4.4-27, 4.4-29, 4.4-30, 4.5-1a, 4.5-2, 4.5-4a, 4.4-5b, 4.6-2a, 4.6-2b, 4.6-2c, 4.6-2d, 4.6-2e, 4.6-2f, 4.6-2g, 4.6-2h, 4.6-3a, 4.6-3b, 4.8-1a, 4.8-1b, 4.8-1c, 4.8-1d, 4.8-1e, 4.9-2, and 4.9-3.	City of Lincoln	City of Lincoln	During review of improvement plans	Ongoing during construction and operation	Mitigation of environmental effects	Applicant
4.1-14 Revised Draft EIR page 4.1-64 Addendum,	Implement Mitigation Measure 4.4-1a as it pertains to <i>agricultural land and open space. As an alternative to this measure, once the Placer County Conservation Plan is adopted, project applicants may participate in the PCCP to mitigate affected</i>	Applicant	County Planning Department	Prior to approval of improvement plans	Once during review of improvement plans	Proper ratio of open space preserved	Applicant

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September 2012, Ex. A	resources impacts covered in the PCCP.						
4.2 VISUAL QUALITY AND AESTHETICS							
4.2-6a Revised Draft EIR page 4.2-60	All areas containing natural vegetation or landscape material that are disturbed during utility line and roadway construction shall be revegetated upon completion of work utilizing plant materials similar to those disturbed. Revegetated areas shall be actively maintained until fully established, in accordance with the standards and provisions contained in the County's Landscape Design Guidelines.	Applicant	County Planning Department	Upon installation of utilities	Once monthly for one full year	Revegetation occurs	Applicant
4.2-6b Revised Draft EIR page 4.2-61	All permanent utility line-related structures extending above ground shall be screened where feasible using a combination of berms, mounds, landscape material, decorative fencing/ walls, or other screening feature approved by the Placer County Development Review Committee, consistent with the <i>Placer County Design Guidelines</i> and the <i>Placer County Landscape Design Guidelines</i> . In addition, any proposed roadway and utility pump station lighting shall be directed downward using cut-off fixtures to minimize lighting effects on adjacent areas and the night sky.	Applicant	County Planning Department	During improvement plans review	Once during review of improvement plans	Compliance with approved plans	Applicant
4.3 HYDROLOGY, WATER RESOURCES, AND WATER QUALITY							
4.3.2-1b Revised Draft EIR page 4.3-23	New development within the Specific Plan area shall reduce post-development stormwater runoff peak flows and volumes to pre-development levels for the 2-, 10-, 25- and 100-year storm events through the construction of regional retention and detention facilities for the Curry Creek and Steelhead Creek watersheds. Retention/detention facilities in the Steelhead Creek watershed shall incorporate gates, as	Applicant	County Public Works Department	During improvement plan review	During review of improvement plans and during construction	Compliance with approved plans	Applicant

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	described in the <i>Master Project Drainage Study</i> , to control flows during a Sankey Gap spill. A protocol shall be established by Placer County in cooperation with the Sacramento Area Flood Control District for monitoring of the Sankey Gap spill and for operation of the gates. Responsibility for the operation and maintenance of the gates shall be assumed by the County Service Area that will serve the Specific Plan area. Construction of regional retention and detention facilities shall be prior to or concurrent with the initial development of the Specific Plan area. Runoff from development within the Dry Creek watershed shall not be detained or retained. Retention and detention facilities shall be designed in accordance with the requirements of the <i>Placer County Storm Water Management Manual</i> that are in effect at the time of submittal, and to the satisfaction of the Department of Public Works. Retention and detention facilities shall be designed to be consistent with the <i>Master Project Drainage Study</i> for the Specific Plan.						
4.3.2-2b Revised Draft EIR page 4.2-23	New development within the Specific Plan area shall upsize any existing undersized culverts within the Specific Plan area conveying increased flows from the proposed development. All existing culverts conveying development flow shall be identified with pre- and post-development flow quantities and capacities. All culvert analysis (existing and upsized) shall be designed in conformance with the <i>Placer County Storm Water Management Manual</i> to accommodate the 2-, 10-, 25- and 100-year storms. Flow consideration for debris clogging and sediment transport shall be provided. In addition to the 100-year event, 200-year events shall be evaluated for potential impacts to collector roadways, detention	Applicant	County Public Works Department	During improvement plan review	During review of improvement plans and during construction	Compliance with approved plans	Applicant

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	pond failure and other life-safety impacts.						
4.3.2-1c Revised Draft EIR page 4.2-23	Drainage facilities, for purposes of collecting runoff on individual lots, shall be designed in accordance with the requirements of the <i>Placer County Storm Water Management Manual</i> that are in effect at the time of submittal, to the satisfaction of the Department of Public Works. These facilities shall be constructed with subdivision improvements, and easements provided as required by the Department of Public Works. Maintenance of these facilities shall be provided by a new County Service Area (CSA), an expanded CSA #28, or other responsible entity.	Applicant	County Public Works Department	During improvement plan review	During review of improvement plans and during construction	Compliance with approved plans	Applicant
4.3.2-1g Revised Draft EIR page 4.2-24	New development shall not alter the post-development mitigated drainage shed boundaries identified in the Master Project Drainage Study in a way that would increase the peak flow runoff or runoff volume.	Applicant	County Public Works Department	During improvement plan review	During review of improvement plans and during construction	Compliance with approved plans	Applicant
4.3.2-3e Revised Draft EIR page 4.3-27	The <i>Master Project Drainage Study</i> shall demonstrate that the proposed development will not increase the 100-year floodplain water surface elevation.	Applicant	County Public Works Department	During improvement plan review	During review of improvement plans and during construction	Demonstration that standard is met	Applicant
4.3.2-3f Revised Draft EIR page 4.3-27	The low dam, intake structure, pump and pipeline withdrawing water from Dry Creek shall be removed in its entirety, and the streambed returned to a natural condition, at the time irrigation of existing pasture land located within Property Group #5 of the Specific Plan area ceases. Upon removal of the dam, an effective combination of erosion and sediment control shall be implemented which may include measures such as covering exposed areas with mulch, temporary	Applicant	County Public Works Department	Prior to approval of improvement plans for development of Property Group #5	Once prior to and once following dam removal	Demonstration that no significant adverse environmental impacts occur	Applicant

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	seeding, soil stabilizers, binders, fiber rolls or blankets, temporary vegetation or permanent seeding. In addition, best management practices (BMPs) shall be implemented during construction to reduce or eliminate sedimentation and reduce erosion in result of dam removal activities. BMPs may include sediment control practices such as filtration devices and barriers (e.g. fiber rolls, straw bale barriers and gravel inlet filters) and/or settling devices (e.g. sediment traps or basins). BMPs shall be developed in accordance with applicable federal, State and local agencies. Additionally, the dam removal shall be done in accord with all applicable federal, State and local requirements and/or permit conditions existing at the time of removal. Prior to removal of the structure, a drainage report shall be prepared demonstrating that the removal of the structure will not adversely increase flows downstream.						
4.3.3-8a Revised Draft EIR page 4.3-81	Municipal wells constructed for purposes of a backup groundwater supply for development under the Specific Plan shall not be constructed within 800 feet of any existing private well.	PCWA, Applicant	PCWA	Prior to well construction	Once prior to commencement of well construction	Distance standard met	Applicant
4.3.3-8b Revised Draft EIR page 4.3-81	Prior to operation of any municipal wells constructed for purposes of a backup groundwater supply for development under the Placer Vineyards Specific Plan, the developer/applicant shall construct groundwater monitoring wells to monitor the impacts of the operation of the municipal wells on local groundwater elevations and any groundwater contaminant movement. The number, location and design of said monitoring wells shall be subject to the approval of PCWA.	Applicant	PCWA	Prior to well construction	Once following installation of monitoring wells	Monitoring wells constructed to satisfaction of PCWA	Applicant

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4.3.3-9 Revised Draft EIR page 4.3-82	Prior to installation of any municipal wells for purposes of a backup groundwater supply for development under the Specific Plan, the County, in consultation with PCWA and CDFG, shall determine the appropriate separation distances between wells and nearby surface water bodies. In no case shall these municipal wells be constructed within 800 feet of the Dry Creek riparian corridor, or any other on-site area where established riparian vegetation is observed.	County Development Review Committee	County Development Review Committee	Prior to well construction	Once prior to well construction	Absence of significant effects on surface water and riparian vegetation	Applicant
4.3.4-2c Revised Draft EIR page 4.3-119	All BMPs for water quality protection, source control, and treatment control shall be developed in accordance with the California Stormwater Quality Association <i>Stormwater Best Management Practice Handbook for Construction and New Development/Redevelopment</i> (or other similar source approved by the Department of Public Works) for the applicable type of development and/or improvement. Provisions shall be included for long-term maintenance of BMPs.	Applicant	County Public Works Department	During improvement plan review	During review of improvement plans and during construction	Compliance with Handbook standards	Applicant
4.3.4-9a Revised Draft EIR page 4.3-137	Install advanced treatment facilities (DCWWTP Master Plan EIR Mitigation Measure 7-2).	City of Roseville	City of Roseville	During treatment plant expansion	Once during construction	Advanced treatment facilities installed	Applicant and/or fees for service
4.3.4-9b Revised Draft EIR page 4.3-137	Institute metals source controls/pre-treatment (DCWWTP Master Plan EIR Mitigation Measure 7-3).	City of Roseville	City of Roseville	During operation	Ongoing	Metals source control/pre-treatment in place	Applicant and/or fees for service
4.3.4-9c Revised Draft EIR	Install cooling towers if necessary (DCWWTP Master Plan EIR Mitigation Measure 7-4).	City of Roseville	City of Roseville	During treatment plant expansion	Once during construction	Cooling towers installed, if	Applicant and/or fees for service

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page 4.3-137						necessary	
4.4 BIOLOGICAL RESOURCES							
4.4-5 Revised Draft EIR page 4.4-104 Addendum, September 2012, Ex. A	<p>When construction is proposed during the burrowing owl breeding season (April-September), a focused survey for burrows shall be conducted within 30 days prior to the beginning of construction activities by a qualified biologist in order to identify any active burrows. If active nests are found, no construction activities shall take place within five hundred feet of the nest until the young have fledged. Burrows that must be removed as a result of Specific Plan implementation shall be removed during the non-breeding season (October to March). If no active nests are found during the focused survey, no further mitigation will be required.</p> <p>If burrows are removed as a result of implementation and there is suitable habitat on-site, on-site passive relocation shall be required. Owls will be encouraged to move from occupied burrows to alternate natural or artificial burrows that are beyond 50 meters from the impact zone and that are within or contiguous to a minimum of 6.5 acres of foraging habitat for each pair of relocated owls. Relocation of owls should only be implemented during the non-breeding season. On-site habitat shall be preserved in a conservation easement and managed to promote burrowing owl use of the site.</p> <p>If there is not suitable habitat on-site, off-site passive relocation shall be required. Off-site habitat must provide suitable burrowing owl habitat. Land shall be purchased and/or placed in a conservation easement in perpetuity and managed to maintain suitable</p>	Applicant	County Public Works and Planning Departments	Prior to approval of improvement plans or issuance of building permits	Once prior to construction	No harm to burrowing owl	Applicant

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	<p>habitat. Off-site mitigation shall use one of the following ratios:</p> <ol style="list-style-type: none"> 1. Replacement of occupied habitat with occupied habitat: 1.5 times 6.6 (9.75) acres per pair or single bird. 2. Replacement of occupied habitat with habitat contiguous to currently occupied habitat: 2 times 6.5 (13.0) acres per pair or single bird. 3. Replacement of occupied habitat with suitable unoccupied habitat: 3 times 6.5 (19.5) acres per pair or single bird. <p>In the event passive relocation and use of artificial burrows is required on- or off-site, a banding and tracking program shall be established in accordance with accepted protocols to allow measurement of success. In the event the relocation program is proven not to be successful, additional steps shall be undertaken as required by the County in consultation with CDFG.</p> <p>The replacement of burrowing owl habitat required by this measure shall could be partially or entirely included within Mitigation Measure 4.4-1, to the extent that the mitigation area includes areas appropriate for burrowing owl. <i>As an alternative to these measures, once the Placer County Conservation Plan is adopted, project applicants may participate in the PCCP to mitigate affected resources impacts covered in the PCCP.</i></p>						
4.4-7	Prior to construction activities, a focused survey for	Applicant	County Public	Prior to	Once prior to	No harm to	Applicant

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<p>Revised Draft EIR page 4.4-106 Addendum, September 2012, Ex. A</p>	<p>non-raptor special status bird nests and/or nesting colonies shall be conducted by a qualified biologist within 30 days prior to the beginning of construction activities in order to identify active nests within the construction area. If active nests are found, no construction activities shall take place within five hundred feet of the nest and/or nesting colony until the young have fledged. The biologist shall consult with the CDFG, particularly with respect to vegetation removals a result of project construction. If no active nests and/or nesting colonies are found during the focused survey, no further mitigation will be required.</p> <p><i>If construction activities are proposed during the tricolored blackbird breeding season (May to August), a focused survey for nesting colonies shall be conducted within 30 days prior to the beginning of construction activities by a qualified biologist in order to identify active nests within the construction area. If active nests are found, no construction activities shall take place within five hundred feet of the nesting colony until the young have fledged. Vegetation that must be removed as a result of construction shall be removed during the non-breeding season (September to April). If no active nests are found during the focused survey, no further mitigation will be required.</i></p> <p>This measure would ensure that <i>tricolored blackbird</i> nests and/or nesting colonies are avoided when active, so that eggs and young would be protected. Once the <i>young blackbirds</i> have fledged their nests, the nests can be removed without harm to the birds. <i>As an alternative to this measure, once the Placer County Conservation Plan is adopted, project applicants may participate in the PCCP to mitigate affected</i></p>		<p>Works and Planning Departments</p>	<p>approval of improvement plans or issuance of building permits</p>	<p>construction</p>	<p>non-raptor special-status bird species</p>	

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	<i>resources impacts covered in the PCCP.</i>						
4.4-8 Revised Draft EIR page 4.4-107 Addendum, September 2012, Ex. A	When construction is proposed during the raptor breeding season (March to early September), a focused survey for raptor nests shall be conducted within 30 days prior to the beginning of construction activities by a qualified biologist in order to identify active nests on-site. If active nests are found, no construction activities shall take place within five hundred feet of the nest until the young have fledged. Trees containing nests shall be removed during the non-breeding season (late September to March). If no active nests are found during the focused survey, no further mitigation will be required. This measure will ensure that active nests are not moved or substantially disturbed during the breeding season, so that raptor eggs and young are not destroyed or abandoned as a result of construction. <i>As an alternative to this measure, once the Placer County Conservation Plan is adopted, project applicants may participate in the PCCP to mitigate affected resources impacts covered in the PCCP.</i>	Applicant	County Public Works and Planning Departments	Prior to approval of improvement plans or issuance of building permits	Once prior to construction	No harm to breeding raptors	Applicant
4.4-9 Revised Draft EIR page 4.4-108 Addendum, September 2012, Ex. A	Prior to construction, a qualified biologist shall survey any affected structures for evidence of bat roosts (e.g., bat guano). If roosts are found, they shall be removed in April, September or October in order to avoid the hibernation and maternity seasons. Appropriate exclusion methods will be used, as needed, during habitat removal. The initial assessment will involve looking for bats or bat signs such as guano, urine staining, and culled food parts, and will identify those specific locations that represent potential habitat (i.e., which specific	Applicant	County Public Works and Planning Departments	Prior to approval of improvement plans or issuance of building permits	Once prior to construction	No harm to protected bats	Applicant

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	<p>buildings, trees, bridges could support roosting bats). If no potential habitat is identified or no potential habitat will be affected (i.e., removed), no further measures are required.</p> <p>Bat habitat can be removed with minimal impact to the resident bat population if it is done outside of the hibernation season (November through March) and outside of the maternity season (May through August). During the removal period, a roost exit survey shall be conducted prior to habitat removal. If bats are detected, standard humane exclusion methods shall be implemented (e.g., placing plastic over roost entrance areas such that bats can exit the roost but not return). Exclusion shall be conducted for two nights prior to habitat removal and habitat removal shall occur immediately following implementation of these exclusion measures. If there is a delay, then the exclusion measures shall be repeated. During the maternity season (May through August), habitat removal may occur following a roost exit survey that confirms no bats are present; however, if bats are detected they may not be excluded until the end of the maternity season. During the hibernation season (November through March), bats do not exit the roost, so exit surveys cannot be used to assess presence and removal shall be delayed to the end of this time period.</p> <p>If bats must be excluded, the project proponent shall work with a qualified biologist to determine if any additional steps (such as installation of alternative roost habitat in the form of bat boxes) are appropriate for the particular habitat. Determination of these additional measures will depend on the species</p>						

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	<p>present and their specific ecological preferences/requirements. Other steps could include improvement of other avoided bat habitat or design of new project elements such as bridges to be "bat-friendly." <i>As an alternative to this measure, once the Placer County Conservation Plan is adopted, project applicants may participate in the PCCP to mitigate affected resources impacts covered in the PCCP.</i></p>						
<p>4.4-10b Revised Draft EIR page 4.4-109 Addendum, September 2012, Ex. A</p>	<p>Trees that are not planned for removal shall be preserved and protected. These oak trees shall be preserved and avoided by implementation of the following measures:</p> <ul style="list-style-type: none"> • Trees that are not proposed for removal and that are within two hundred feet of grading activities shall be protectively fenced five feet beyond the dripline and root zone of each oak tree (as determined by a certified arborist). This fence, which is meant to prevent activities that result in soil compaction beneath the canopies or over the root zone, shall be maintained until all construction activities are completed. No vehicles, construction equipment, mobile offices, or materials shall be placed within this fenced area. • Grade changes shall be minimized to the extent feasible within or adjacent to the drip line of existing trees. No soil surface removal greater than one foot in depth shall occur within the drip lines of oak trees to be preserved. No cuts shall occur within five feet of their trunks. No earthen fill greater than one foot deep shall be 	<p>Applicant</p>	<p>County Planning Department</p>	<p>Prior to construction</p>	<p>Once prior to construction and ongoing</p>	<p>Compliance with tree protection requirements.</p>	<p>Applicant</p>

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	<p>placed within the drip lines of preserved oak trees, or within five feet of their trunks.</p> <ul style="list-style-type: none"> • Paving shall not be placed in the drip lines of oak trees to be preserved. • Underground utility line trenching shall not be placed within the drip lines of oak trees to be preserved. If it is absolutely necessary to install underground utilities within the drip lines of oak trees, the trench shall either be bored or drilled, but not within five feet of the trunk. • For trees that will be removed, the project applicant shall submit a tree survey map of oaks to be removed or disturbed during project construction. Within these impact areas, an inventory of the location, number and health of oaks shall be prepared by a certified arborist. A certified arborist shall also prepare a monitoring and management plan for each project disturbing or removing oak trees. The plan shall address planting techniques, proposed mitigation sites, monitoring requirements, management recommendations, and minimization and avoidance measures. • Annual monitoring shall be included to ensure that an 80% survival rate is achieved over a five-year period. During monitoring, the following information shall be evaluated: average tree height, percent canopy cover, and percent survival. An oak tree mitigation and monitoring plan shall be submitted that includes 						

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	<p>a description of irrigation methods that will be used to ensure that saplings survive the first several years of growth. During the revegetation process, tree survival shall be maximized by using gopher cages, deer screens, regular maintenance, and replanting as needed. Monitoring reports shall be submitted to Placer County on an annual basis.</p> <p><i>As an alternative to this measure, once the Placer County Conservation Plan is adopted, project applicants may participate in the PCCP to mitigate affected resources impacts covered in the PCCP.</i></p>						
4.4-11a Revised Draft EIR page 4.4-111 Addendum, September 2012, Ex. A	<p>Since all potential jurisdictional waters of the U.S. will not be avoided in the Specific Plan design, the wetland delineation shall be finalized and the results shall be mapped and submitted to the Corps for verification through the section 404 permit process. Completion of the delineation will ensure precise acreage of various wetland types occurring in within properties surveyed. Implement Mitigation Measure 4.4-1 as it pertains to non-vernal pool wetlands.</p> <p><i>As an alternative to this measure, once the Placer County Conservation Plan is adopted, project applicants may participate in the PCCP to mitigate affected resources impacts covered in the PCCP.</i></p>	Applicant	County Planning Department	Prior to construction	Once prior to construction	Compliance with the 404 process	Applicant
4.4-13 Revised Draft EIR page 4.4-113 Addendum,	<p>If construction activities are proposed during the Loggerhead shrike breeding season (March to July), a focused survey for nesting pairs shall be conducted within 30 days prior to the beginning of construction activities by a qualified biologist in order to identify</p>	Applicant	County Public Works and Planning Departments	Prior to construction	Once prior to construction	No harm to Loggerhead Shrike	Applicant

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September 2012, Ex. A	active nests within the construction area. If active nests are found, no construction activities shall take place within five hundred feet of the nesting colony until the young have fledged. Vegetation that must be removed as a result of construction shall be removed during the non-breeding season (March to July). If no active nests are found during the focused survey, no further mitigation will be required. This measure would ensure that Loggerhead shrike nests are avoided when active, so that eggs and young would be protected. Once the birds have fledged, their nests can be removed without harm to the birds. <i>As an alternative to this measure, once the Placer County Conservation Plan is adopted, project applicants may participate in the PCCP to mitigate affected resources impacts covered in the PCCP.</i>						
4.4-16 Revised Draft EIR page 4.4-116 Addendum, September 2012, Ex. A	Installation of off-site infrastructure shall be designed to avoid vernal pools, if feasible. If pools will be filled or degraded by off-site infrastructure areas, implement Mitigation Measure 4.4-2. Under this mitigation, vernal pools in Placer County will need to be delineated if they fall within the off-site infrastructure areas and cannot be avoided. Consideration shall also be given to degradation of vernal pools that would be avoided, but that could be degraded due to construction and other activities (due to, for example, contaminants in runoff if a road is placed over the utility line). For vernal pools that would be filled or adversely affected, preservation, re-creation, replacement and/or restoration would be required at ratios that would ensure there would be "no net loss" of vernal pool habitat. See Mitigation Measure 4.4-2 for a more detailed discussion of the	Applicant	County Planning Department, Sutter County, Sacramento County, City of Roseville	Prior to improvement plans approval and/or issuance of encroachment permits	Once prior to construction	Compliance with "no net loss" requirement	Applicant

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	<p>specific ratios.</p> <p>The mitigation acreage required by this measure shall could be partially or entirely included within Mitigation Measure 4.4-1, to the extent that the mitigation area includes vernal pools similar in type and equal or greater in habitat value to those pools lost to the off-site infrastructure areas.</p> <p>Avoidance and/or fill of vernal pools outside of Placer County will be regulated by the USACE, Sutter County, Sacramento County, and/or the City of Roseville, depending on the location and type of vernal pools that would be affected. Both Federal policy (for jurisdictional wetlands), Sacramento County policy and Sutter County policy all call for "no net loss" of wetlands. These jurisdictions can and should implement measures similar to those provided in Mitigation Measure 4.4-1 to ensure "no net loss" of vernal pools.</p> <p><i>As an alternative to this measure, once the Placer County Conservation Plan is adopted, project applicants may participate in the PCCP to mitigate affected resources impacts covered in the PCCP.</i></p>						
4.4-18 Revised Draft EIR page 4.4-118 Addendum, September 2012, Ex. A	Implement Mitigation Measure 4.4-4, which requires that construction be designed to avoid impacts to potential habitat for western pond turtle, if feasible. If installation is required in areas of potential habitat, then a focused survey for this species shall be conducted prior to approval of engineering plans. The survey is required to determine the presence or absence of this species in the off-site infrastructure areas. If pond turtles are found in the off-site	Applicant	County Planning Department, Sutter County, Sacramento County, City of Roseville	Prior to improvement plans approval and/or issuance of encroachment permits	Once prior to construction	"No net loss" of pond turtle	Applicant

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Mitigation No. (Page #)	Mitigation Measure (Page #)	Individual Responsible for Monitoring and/or Reporting	Individual or Organization Responsible for Verifying Compliance	Timing of Initial Action	Frequency and Duration of Monitoring	Performance Criteria	Proposed Funding
	<p>infrastructure areas, locations of these occurrences shall be mapped.</p> <p>A detailed mitigation/conservation plan that provides for “no net loss” of individuals of the species or its habitat shall be developed upon confirming the presence of this species in the off-site infrastructure areas. If this species is not found in the off-site infrastructure areas, no further studies are necessary.</p> <p>The replacement of western pond turtle habitat, if necessary, could shall be partially or entirely included within Mitigation Measure 4.4-1, to the extent that the mitigation area includes areas appropriate for western pond turtle. If western pond turtle is present in off-site infrastructure areas in Sutter County, Sacramento County, and/or the City of Roseville, these jurisdictions could also require measures to ensure “no net loss” of its habitat.</p> <p><i>As an alternative to this measure, once the Placer County Conservation Plan is adopted, project applicants may participate in the PCCP to mitigate affected resources impacts covered in the PCCP.</i></p>						
4.4-19 Revised Draft EIR page 4.4-119 Addendum, September 2012, Ex. A	<p>Implement Mitigation Measure 4.4-5, which requires nesting surveys prior to construction, so if burrowing owls establish nests in the off-site infrastructure areas, they would be detected. This measure also prohibits construction activities within five hundred feet of a nest, so that nesting owls would not be disturbed. Once the young have fledged, the nests can be removed, because the owls would then establish nests in a new area. Therefore, with implementation of this measure, the impact on nesting burrowing owls would be less than significant. Similar measures could be</p>	Applicant	County Planning Department, Sutter County, Sacramento County, City of Roseville	Prior to approval of improvement plans and/or issuance of encroachment permits	Once prior to construction	No harm to burrowing owl	Applicant

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Mitigation No. (Page #)	Mitigation Measure (Page #)	Individual Responsible for Monitoring and/or Reporting	Individual or Organization Responsible for Verifying Compliance	Timing of Initial Action	Frequency and Duration of Monitoring	Performance Criteria	Proposed Funding
	<p>implemented by Sutter County, Sacramento County, and/or the City of Roseville, if needed, to <i>protect</i> nesting burrowing owls.</p> <p><i>As an alternative to this measure, once the Placer County Conservation Plan is adopted, project applicants may participate in the PCCP to mitigate affected resources impacts covered in the PCCP.</i></p>						
4.4-21 Revised Draft EIR page 4.4-120 Addendum, September 2012, Ex. A	<p>If installation of infrastructure is proposed in areas where identified non-raptor special-status bird species may occur a focused survey for non-raptor special status bird nests and/or nesting colonies shall be conducted by a qualified biologist within 30 days prior to the beginning of construction activities in order to identify active nests within the construction area. If active nests and/or nesting colonies are found, no construction activities shall take place within five hundred feet of the nest and/or nesting colony until the young have fledged and the biologist has consulted with the CDFG, particularly with respect to vegetation removal as a result of installation of project infrastructure. If no active nests are found during the focused survey, no further mitigation will be required.</p> <p>This measure would ensure that bird nests are avoided when active, so that eggs and young would be protected. Once the birds have left their nests, the nests can be removed without harm to the birds. Similar measures could be implemented by Sutter County, Sacramento County, and/or the City of Roseville, if needed, to protect non-raptor special status bird species.</p>	Applicant	County Planning Department, Sutter County, Sacramento County, City of Roseville	Prior to approval of improvement plans or issuance of encroachment permits	Once prior to construction	No harm to non-raptor special-status bird species	Applicant

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Mitigation No. (Page #)	Mitigation Measure (Page #)	Individual Responsible for Monitoring and/or Reporting	Individual or Organization Responsible for Verifying Compliance	Timing of Initial Action	Frequency and Duration of Monitoring	Performance Criteria	Proposed Funding
	<i>As an alternative to this measure, once the Placer County Conservation Plan is adopted, project applicants may participate in the PCCP to mitigate affected resources impacts covered in the PCCP.</i>						
4.4-22 Revised Draft EIR page 4.4-121 Addendum, September 2012, Ex. A	Implement Mitigation Measure 4.4-8, which requires nesting surveys prior to construction, so if raptor nests are present in the off-site infrastructure areas, they will be detected. This measure also prohibits construction activities within five hundred feet of a nest, so that nesting raptors will not be disturbed. Once the young have fledged, the nests can be removed, because the raptors would then establish nests in a new area. Therefore, with implementation of this measure, the impact on nesting raptors would be less than significant. Similar measures could be implemented by Sutter County, Sacramento County and/or the City of Roseville, if needed, to protect nesting raptors. <i>As an alternative to this measure, once the Placer County Conservation Plan is adopted, project applicants may participate in the PCCP to mitigate affected resources impacts covered in the PCCP.</i>	Applicant	County Planning Department, Sutter County, Sacramento County, City of Roseville	Prior to improvement plans approval and/or issuance of encroachment permits	Once prior to construction	No harm to nesting raptors	Applicant
4.4-23 Revised Draft EIR page 4.4-122 Addendum, September 2012, Ex. A	Installation of off-site infrastructure shall be designed to avoid impacts to potential habitat for California horned lizard, if feasible. If installation is required in areas of potential habitat, a focused survey for this species shall be conducted prior to approval of engineering plans. The survey is required to determine the presence or absence of this species in the off-site infrastructure areas. If horned lizards are found in the off-site infrastructure areas, locations of these occurrences shall be mapped.	Applicant	County Planning Department, Sutter County, Sacramento County, City of Roseville	Prior to improvement plans approval and/or issuance of encroachment permits	Once prior to construction	No net harm to California horned lizard	Applicant

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Mitigation No. (Page #)	Mitigation Measure (Page #)	Individual Responsible for Monitoring and/or Reporting	Individual or Organization Responsible for Verifying Compliance	Timing of Initial Action	Frequency and Duration of Monitoring	Performance Criteria	Proposed Funding
	<p>A detailed mitigation/conservation plan that provides for "no net loss" of individuals of the species or its habitat shall be developed upon confirming the presence of this species in the off-site infrastructure areas. If this species is not found in the off-site infrastructure areas, no further studies are necessary.</p> <p>This measure would protect the California horned lizard, if present, from harm. Surveys of proposed impact areas shall be conducted during the active season for the lizard (generally April to October). During the spring, lizards are typically active during mid-day. During summer, activity transitions to morning and late afternoon.</p> <p>The replacement of habitat, if necessary, could shall be partially or entirely included within Mitigation Measure 4.4-1, to the extent that the mitigation area includes areas appropriate for the affected habitat. If California horned lizard is present in off-site infrastructure areas in Sutter County, Sacramento County and/or the City of Roseville, these jurisdictions could also require measures to ensure "no net loss" of its habitat.</p> <p><i>As an alternative to this measure, once the Placer County Conservation Plan is adopted, project applicants may participate in the PCCP to mitigate affected resources impacts covered in the PCCP.</i></p>						
4.4-24 Revised Draft EIR page 4.4-122	Prior to construction, a qualified biologist shall survey any affected structures for evidence of bat roosts (e.g., bat guano). If roosts are found, they shall be removed in April, September or October in order	Applicant	County Planning Department, Sutter County,	Prior to improvement plans approval and/or issuance	Once prior to construction	Lack of more than minimal harm to protected bats	Applicant

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Mitigation No. (Page #)	Mitigation Measure (Page #)	Individual Responsible for Monitoring and/or Reporting	Individual or Organization Responsible for Verifying Compliance	Timing of Initial Action	Frequency and Duration of Monitoring	Performance Criteria	Proposed Funding
Addendum, September 2012, Ex. A	<p>to avoid the hibernation and maternity seasons. Appropriate exclusion methods will be used, as needed, during habitat removal.</p> <p>The initial assessment will involve looking for bats or bat sign such as guano, urine staining, and culled food parts and will identify those specific locations that represent potential habitat (e.g., which specific buildings, trees, bridges could support roosting bats). If no potential habitat is identified or no potential habitat will be impacted (i.e., removed), no further measures are required.</p> <p>Bat habitat can be removed with minimal impact to the resident bat population if it is done outside of the hibernation season (November through March) and outside of the maternity season (May through August). During the removal period, a roost exit survey shall be conducted prior to habitat removal. If bats are detected, standard humane exclusion methods shall be implemented (e.g., placing plastic over roost entrance areas such that bats can exit the roost but not return). Exclusion shall be conducted for two nights prior to habitat removal and habitat removal shall occur immediately following implementation of these exclusion measures. If there is a delay, then the exclusion measures shall be repeated. During the maternity season (May through August), habitat removal may occur following a roost exit survey that confirms no bats are present; however, if bats are detected they may not be excluded until the end of the maternity season. During the hibernation season (November through March), bats do not exit the roost, so exit surveys cannot be used to assess presence and removal shall be delayed to the end of this time</p>		Sacramento County, City of Roseville	of encroachment permits			

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Mitigation No. (Page #)	Mitigation Measure (Page #)	Individual Responsible for Monitoring and/or Reporting	Individual or Organization Responsible for Verifying Compliance	Timing of Initial Action	Frequency and Duration of Monitoring	Performance Criteria	Proposed Funding
	<p>period.</p> <p>If bats must be excluded, the project proponent shall work with a qualified biologist to determine if any additional steps (such as installation of alternative roost habitat in the form of bat boxes) are appropriate for the particular habitat. Determination of these additional measures will depend on the species present and their specific ecological preferences/requirements. Other steps could include improvement of other avoided bat habitat or design of new project elements such as bridges to be "bat-friendly." Similar measures to those described in this mitigation measure could be used by Sutter County, Sacramento County, and/or the City of Roseville.</p> <p><i>As an alternative to this measure, once the Placer County Conservation Plan is adopted, project applicants may participate in the PCCP to mitigate affected resources impacts covered in the PCCP.</i></p>						
4.4-25 Revised Draft EIR page 4.4-124 Addendum, September 2012, Ex. A	<p>Implement Mitigation Measures 4.4-10a and 4.4-10b. Mitigation Measure 4.4-10a requires implementation of Mitigation Measure 4.4-1 as it pertains to oak woodland communities and individual oak trees. The applicant is to provide a tree survey map of all trees that would be removed or disturbed during construction of the off-site infrastructure areas. These trees shall be replaced as specified in Mitigation Measure 4.4-10. Replacement trees shall be monitored annually to ensure that the new oaks and oak woodland are successful. Mitigation Measure 4.4-10b specifies measures to be taken to protect remaining trees from damage during construction. Similar measures could be implemented by Sutter</p>	Applicant	County Planning Department, Sutter County, Sacramento County, City of Roseville	Prior to improvement plans approval and/or issuance of encroachment permits	Once prior to construction and ongoing during construction	Compliance with tree protection requirements	Applicant

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Mitigation No. (Page #)	Mitigation Measure (Page #)	Individual Responsible for Monitoring and/or Reporting	Individual or Organization Responsible for Verifying Compliance	Timing of Initial Action	Frequency and Duration of Monitoring	Performance Criteria	Proposed Funding
	County, Sacramento County, and/or the City of Roseville, if needed to protect oak woodland and individual trees. <i>As an alternative to this measure, once the Placer County Conservation Plan is adopted, project applicants may participate in the PCCP to mitigate affected resources impacts covered in the PCCP.</i>						
4.4-27 Revised Draft EIR page 4.4-126 Addendum, September 2012, Ex. A	Implement Mitigation Measure 4.4-12, which requires a Streambed Alteration Agreement from CDFG whenever a road (bridge) or utility line would be constructed across a stream. The Agreement would include measures to protect the channel and bank of a stream from erosion and related effects of construction. The measure also requires that Mitigation Measure 4.4-12 be implemented as it pertains to riparian habitat. New trees and shrubs would be planted to replace those removed for development. The replacement ratios would exceed 1:1 in order to ensure that over the long-term the value of new riparian habitat equals or exceeds the value of the habitat that was lost. Any stream crossings proposed in Sutter County, Sacramento County, and/or the City of Roseville would also likely be required to obtain a Streambed Alteration Agreement. <i>As an alternative to this measure, once the Placer County Conservation Plan is adopted, project applicants may participate in the PCCP to mitigate affected resources impacts covered in the PCCP.</i>	Applicant	County Planning Department, Sutter County, Sacramento County, City of Roseville, CDFG for Streambed Alteration Agreement	Prior to improvement plans approval and/or issuance of encroachment permits	Once prior to construction and ongoing during construction	Compliance with Streambed Alteration agreement requirements; compliance with Mitigation Measure 4.4-1, as it pertains to riparian habitat	Applicant
4.4-28	All construction activity involving disturbance of	Applicant	Sacramento	Immediately	Once prior to	No harm to	Applicant

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Mitigation No. (Page #)	Mitigation Measure (Page #)	Individual Responsible for Monitoring and/or Reporting	Individual or Organization Responsible for Verifying Compliance	Timing of Initial Action	Frequency and Duration of Monitoring	Performance Criteria	Proposed Funding
<p>Revised Draft EIR page 4.4-127 Addendum, September 2012, Ex. A</p>	<p>habitat, shall be restricted to the period between May 1 and September 30. This is the active period for Giant Garter snake and direct mortality is lessened, because snakes are expected to actively move and avoid danger.</p> <p>24-hours prior to construction activities, the project area shall be surveyed for Giant Garter snake. Survey of the project area shall be repeated if a lapse in construction activity of two weeks or greater has occurred. If a snake is encountered during construction, activities shall cease until appropriate corrective measures have been completed or it has been determined that the snake will not be harmed. Any incidental take and any sightings shall be reported to the USFWS immediately.</p> <p>Movement of heavy equipment shall be confined to existing roadways to minimize habitat disturbance.</p> <p>Construction personnel shall (to the extent practical) receive USFWS-approved worker environmental awareness training. This training instructs workers to recognize Giant Garter snakes and their habitat(s), and what to do if a Giant Garter snake is encountered during construction activities.</p> <p>No plastic, monofilament, jute, or similar erosion control matting that could entangle snakes will be placed on a project site when working within 200 feet of snake aquatic or rice habitat. Substitutions include coconut coir matting, tactified hydroseeding compounds, or other material approved by the Wildlife Agencies.</p>		<p>County, Sutter County</p>	<p>prior to construction</p>	<p>construction and ongoing</p>	<p>Giant Garter Snake</p>	

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Mitigation No. (Page #)	Mitigation Measure (Page #)	Individual Responsible for Monitoring and/or Reporting	Individual or Organization Responsible for Verifying Compliance	Timing of Initial Action	Frequency and Duration of Monitoring	Performance Criteria	Proposed Funding
	<p>Between April 15 and September 30, all irrigation ditches, canals, or other aquatic habitat shall be completely dewatered, with no puddle water remaining, for at least 15 consecutive days prior to the excavation or filling in of the dewatered habitat. Make sure dewatered habitat does not continue to support Giant Garter snake prey, which could detain or attract snakes into the area. If a site cannot be completely dewatered, netting and salvage of prey items may be necessary.</p> <p>Confine clearing to the minimal area necessary to facilitate construction activities. Flag and designate avoided Giant Garter snake habitat within or adjacent to the project as Environmentally Sensitive Areas. This area shall be avoided by all construction personnel.</p> <p>If a live Giant Garter snake is found during construction activities, immediately notify the USFWS and the project's manager. The manager shall do the following:</p> <p style="padding-left: 40px;">Stop construction in the vicinity of the snake. Monitor the snake and allow the snake to leave on its own. A monitor shall remain in the area for the remainder of the work day to make sure the snake is not harmed or if it leaves the site, does not return. Escape routes for Giant Garter snake should be determined in advance of construction and snakes should always be allowed to leave on their own. If a Giant Garter snake does not leave on its own within one working day, further consultation with USFWS is required.</p>						

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Mitigation No. (Page #)	Mitigation Measure (Page #)	Individual Responsible for Monitoring and/or Reporting	Individual or Organization Responsible for Verifying Compliance	Timing of Initial Action	Frequency and Duration of Monitoring	Performance Criteria	Proposed Funding
	<p>Fill or construction debris may be used by Giant Garter snake as an over-wintering site. Therefore, upon completion of construction activities, remove any temporary fill and construction debris. If this material is situated near undisturbed Giant Garter snake habitat and it is to be removed between October 1 and April 30, it shall be inspected by a qualified biologist to assure that Giant Garter snake are not using it as hibernaculae. Wherever feasible, restore disturbed areas to pre-project conditions. Restoration work may include such activities as replanting species removed.</p> <p><i>As an alternative to this measure, once the Placer County Conservation Plan is adopted, project applicants may participate in the PCCP to mitigate affected resources impacts covered in the PCCP.</i></p>						
4.4-29 Revised Draft EIR page 4.4-129 Addendum, September 2012, Ex. A	<p>If installation of infrastructure is proposed during the Loggerhead shrike breeding season (March to July), a focused survey for nesting pairs shall be conducted within 30 days prior to the beginning of construction activities by a qualified biologist in order to identify active nests within the construction area. If active nests are found, no construction activities shall take place within five hundred feet of the nesting colony until the young have fledged. Vegetation that must be removed as a result of installation shall be removed during the non-breeding season (March to July). If no active nests are found during the focused survey, no further mitigation will be required.</p> <p>This measure would ensure that Loggerhead shrike</p>	Applicant	County Planning Department, Sutter County, Sacramento County, City of Roseville	Prior to construction	Once prior to construction	No harm to Loggerhead Shrike	Applicant

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Mitigation No. (Page #)	Mitigation Measure (Page #)	Individual Responsible for Monitoring and/or Reporting	Individual or Organization Responsible for Verifying Compliance	Timing of Initial Action	Frequency and Duration of Monitoring	Performance Criteria	Proposed Funding
	<p>nests are avoided when active, so that eggs and young would be protected. Once the birds have left their nests, the nests can be removed without harm to the birds. Similar measures could be implemented by Sutter County, Sacramento County, and/or the City of Roseville, if needed, to protect nesting tricolored blackbirds.</p> <p><i>As an alternative to this measure, once the Placer County Conservation Plan is adopted, project applicants may participate in the PCCP to mitigate affected resources impacts covered in the PCCP.</i></p>						
4.4-30b Revised Draft EIR page 4.4-130 Addendum, September 2012, Ex. A	<p>A qualified fish biologist shall be present on-site during any dewatering activities at construction sites to minimize impacts to special-status species (i.e., prevent stranding of special-status species). Individual fish collected during dewatering shall be identified and released in an uninterrupted waterway adjacent to the area of disturbance. <i>As an alternative to this measure, once the Placer County Conservation Plan is adopted, project applicants may participate in the PCCP to mitigate affected resources impacts covered in the PCCP.</i></p>	Applicant	County Planning Department	During construction	Ongoing during construction	Minimize impacts to special-status species	Applicant
4.4-30c Revised Draft EIR page 4.4-130 Addendum, September 2012, Ex. A	<p>Chinook salmon and steelhead resources shall be protected from potential construction-related activities by adherence to a construction window, whereby construction activities would be precluded from October 15 through June 15. This window corresponds to the time when both adult and juvenile Chinook salmon and steelhead are expected to</p>	Applicant	County Planning Department	Prior to construction	Once prior to construction and ongoing during construction	No harm to Chinook salmon or steelhead	Applicant

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	<p>migrate through the area. Further measures to protect salmon resources include use of Best Management Practices (BMPs) to minimize and localize siltation and other water quality impacts and to provide for riparian restoration activities. Such BMPs may include the use of cofferdams and other structures during dewatering and construction activities. Water quality monitoring shall also be performed to ensure that state and federal water quality standards are met. <i>As an alternative to this measure, once the Placer County Conservation Plan is adopted, project applicants may participate in the PCCP to mitigate affected resources impacts covered in the PCCP.</i></p>						
<p>4.4-59 Revised Draft EIR page 4.4-60 Addendum, September 2012, Ex. A</p>	<p>Implementation of the following measure would substantially lessen the severity of the Specific Plan contribution to the cumulative loss of open space, but not to a less than significant level. Therefore, the impact would remain significant and unavoidable, and the project's incremental contribution to this impact would itself be cumulatively considerable (i.e. significant). Implement Mitigation Measure 4.4-1 as well as Mitigation Measures 4.4-2, 4.4-3, 4.4-4, 4.4-5, 4.4-6, 4.4-9, 4.4-10a, 4.4-11a, 4.4-11c, 4.4-12b, 4.4-14, 4.4-15, 4.4-16, 4.4-17, 4.4-18, 4.4-19, 4.4-21, 4.4-22, 4.4-23, 4.4-24, 4.4-25, 4.4-26, and 4.4-27, 4.4-29, and 4.4-30.</p> <p>Mitigation Measure 4.4-1 would reduce the magnitude of the Specific Plan contribution to the cumulative loss of biological habitat by requiring the off-site preservation of 3,520 acres of open space at a ratio of 1:1.35, most of which is likely to provide a</p>	<p>Applicant</p>	<p>County Planning Department, Sutter County Sacramento County, City of Roseville</p>	<p>Prior to construction</p>	<p>Once prior to construction and ongoing during construction</p>	<p>No harm to protected resources and "no net loss" of resources to be protected under Mitigation Measure 4.4-1.</p>	

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Mitigation No. (Page #)	Mitigation Measure (Page #)	Individual Responsible for Monitoring and/or Reporting	Individual or Organization Responsible for Verifying Compliance	Timing of Initial Action	Frequency and Duration of Monitoring	Performance Criteria	Proposed Funding
	mosaic of habitats similar to the Specific Plan area. The other measures identified above would further protect special-status plant and wildlife from harm by requiring appropriate habitat and/or nesting surveys, avoidance of habitat and/or nests, and compensation for loss of habitat. While individual members of special-status species would be protected from harm, and required off-site open space would not be developed, there would still be a net loss in land available for plant and wildlife habitat as a result of the Specific Plan. Therefore, this mitigation would reduce, but would not fully offset, the project's incremental contribution to the significant cumulative loss of biological habitat.						
4.5 GEOLOGY AND SOILS							
4.5-4a Revised Draft EIR page 4.5-14	New development within the Specific Plan area shall prepare and submit to the Department of Public Works a preliminary grading and erosion control (winterization)/ground instability plan prepared by a California Registered Civil Engineer. Erosion and ground instability mitigation measures shall include conformance to the Uniform Building Code and Placer County grading ordinances. The preliminary grading plan shall include methods to control soil erosion and ground instability.	Applicant	County Public Works Department	Prior to improvement plan approval	During Improvement Plan process and during construction	Soil erosion and ground instability avoided	Applicant
4.5-4b Revised Draft EIR page 4.5-14	A Notice of Intent (NOI) and supporting documents shall be submitted to the State Water Resources Control Board (SWRCB). A Storm Water Pollution Prevention Plan (SWPPP) shall be prepared for inclusion with the construction plans and for regulation of construction activities. The SWPPP shall include Best Management Practices (BMPs)	Applicant	State Regional Water Quality Control Board	Prior to improvement plan approval	During Improvement Plan process and during construction	Approved SWPPP	Applicant

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Mitigation No. (Page #)	Mitigation Measure (Page #)	Individual Responsible for Monitoring and/or Reporting	Individual or Organization Responsible for Verifying Compliance	Timing of Initial Action	Frequency and Duration of Monitoring	Performance Criteria	Proposed Funding
	<p>which address source reduction and sediment capture and retention. BMPs shall be developed in accordance with the California Stormwater Quality Association <i>Stormwater Best Management Practices Handbook for Construction and New Development/Redevelopment</i> (or other similar source).</p> <p>Uncemented silty soils are prone to erosion. According to requirements, as set forth in Section 402 (p) of the Clean Water Act as amended in 1987, and as administered by the SWRCB, erosion control measures (appropriate Best Management Practices) shall be implemented during construction which conform to the National Pollutant Discharge Elimination System, Storm Drain Standards, and local standards, consistent with Best Management Practices contained in the California Stormwater Quality Association <i>Stormwater Best Management Practices Handbook for Construction and New Development/Redevelopment</i> (or other similar source).</p>						
4.5-5a Revised Draft EIR page 4.5-17	Restore ground surface and topography.	City of Roseville	City of Roseville	During construction	Ongoing during construction	Soil erosion and ground instability avoided	Applicant and/or fees for service
4.5-5b Revised Draft EIR page 4.5-17	Require soil stockpiling and disposal standards.	City of Roseville	City of Roseville	Prior to construction	Once prior to construction	Significant water quality/air quality effects avoided	Applicant and/or fees for service

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4.5-5c Revised Draft EIR page 4.5-17	Require erosion and sedimentation control plan.	City of Roseville	City of Roseville	Prior to construction	Once prior to construction	Significant water quality effects avoided	Applicant and/or fees for service
4.5-5d Revised Draft EIR page 4.5-17	Implement recommendations of geotechnical report.	City of Roseville	City of Roseville	During construction	Ongoing during construction	Geotechnical related effects avoided	Applicant and/or fees for service
4.5-5e Revised Draft EIR page 4.5-18	For the SRWTP, consult Division of Oil and Gas records prior to excavation, for excavation depths greater than five feet below the surface.	SRCS D	SRCS D	Prior to construction	Once prior to construction	Hazards from abandoned gas wells avoided	Applicant and/or fees for service
4.6 ARCHAEOLOGICAL/PALEONTOLOGICAL RESOURCES							
4.6-1 Revised Draft EIR page 4.6-74 and Supplement to the Final EIR Appendix FEIR-F page 3	Prior to any ground-disturbing activity within five hundred feet of historical resources and unique archaeological resources, archaeological surface inspections shall be completed to determine if each respective site still exists and, if so, archaeological test excavations shall be conducted to the extent necessary to determine if further mitigation is necessary. A representative of the United Auburn Indian Community of the Auburn Rancheria shall be invited to participate in such surface inspections and to monitor any excavations determined to be necessary based on the surface inspections. If determined to be necessary, a data recovery plan, which makes provision for adequately recovering the scientifically consequential information from and about the archaeological resources, shall be prepared by a qualified professional archaeologist and adopted by the County prior to any excavation. Prior to	Applicant in consultation with United Auburn Indian Community (UAIC) representatives. Consultation is to include opportunity for UAIC to participate in archaeological surface inspection, monitoring of test excavations,	County Planning Department	Prior to improvement plan and/or building permit approval	Once upon completion of studies	Cultural and historic resources protected and/or recorded	Applicant

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Mitigation No. (Page #)	Mitigation Measure (Page #)	Individual Responsible for Monitoring and/or Reporting	Individual or Organization Responsible for Verifying Compliance	Timing of Initial Action	Frequency and Duration of Monitoring	Performance Criteria	Proposed Funding
	adopting any such plan that addresses disturbance to any Native American cultural place or places, the County shall seek comments on a draft of the plan from a representative of the United Auburn Indian Community of the Auburn Rancheria. The data recovery plan shall be deposited with the California Historical Resources Regional Information Center. To the extent that the plan includes information pertaining to Native American cultural places, such information shall remain confidential and not be released to the general public.	and review of any required additional mitigation.					
4.6-2a Revised Draft EIR page 4.6-75 and Supplement to the Final EIR Appendix FEIR-F page 3	In the event of the accidental discovery or recognition of any human remains, there shall be no further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent human remains, until a representative of the United Auburn Indian Community of the Auburn Rancheria has been notified and compliance with the provisions of Section 15064.5 (e)(1) and (2) of the CEQA Guidelines has occurred.	Applicant. Applicant shall contact UAIC representatives and shall consult with UAIC during compliance process.	County Planning Department	During construction	On going	Compliance with Section 15064.5 (e)(1) and (2) of the CEQA Guidelines	Applicant
4.6-2b Revised Draft EIR page 4.6-75 and Supplement to the Final EIR Appendix FEIR-F page 3	If any artifacts or other indications of cultural resources 45 years old or older are found once ground-disturbing activities are underway, the find shall be immediately evaluated by a qualified archaeologist, and a representative of the United Auburn Indian Community of the Auburn Rancheria shall be immediately notified. If the find is determined to be an historical or unique archaeological resource, contingency funding and a time allotment to allow for implementation of avoidance measures or appropriate mitigation shall be	Applicant. Applicant shall contact UAIC representatives and shall consult with UAIC during compliance process.	County Planning Department	During construction	On going	Protected resources and identified and preserved and/or recorded	Applicant

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	made available, as provided in Section 15064.5 of the CEQA Guidelines. Work may continue on other parts of the project site while historical or unique archaeological resource mitigation takes place.						
4.6-2d Revised Draft EIR page 4.6-75	Orange construction fencing shall be placed around the California Register-eligible sites located in open space, if construction, including trail and fire break building, is conducted within one hundred feet of the archaeological resource. Placement of the fencing must be done in consultation with an archaeologist who meets the Secretary of the Interior's Professional Qualifications Standards in prehistoric archaeology.	Applicant	County Planning Department	During Construction	On going	Known sites are protected	Applicant
4.6-2e Revised Draft EIR page 4.6-76 and Supplement to the Final EIR Appendix FEIR-F page 4	An archaeologist and (if available) a representative of the United Auburn Indian Community of the Auburn Rancheria shall participate in the preconstruction meeting(s) to inform the participants of the sensitivity and location of any California Register-eligible sites in the vicinity of grading or construction.	Applicant. Applicant shall inform UAIC of meetings and afford them the opportunity to participate.	County Planning Department.	Prior to start of construction	Each time a new increment of development activity begins	Informed personnel on-site	Applicant
4.6-2f Revised Draft EIR page 4.6-76	Any California Register-eligible site located in the open space that will be within one hundred feet or closer to public access (e.g., road, trail or firebreak), public facility or private residence shall be enclosed with permanent fencing designed to help prevent trespass. Each enclosure shall be constructed with a locked gate. A sign at each enclosure shall explain site values, interpret site history (or prehistory), identify prohibited uses and warn of 82 penalties for violations.	Applicant	County Planning Department	Prior to approval of any plans for construction within 100 feet of a protected site	Once prior to and once following construction	Fencing properly installed	Applicant

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4.6-2g Revised Draft EIR page 4.6-76	To help insure the long-term preservation of those California Register-eligible archaeological resources located in the open space, the CC&Rs shall include a clause that prohibits the collecting, digging or removal of any stone, artifact or other prehistoric or historic object from the open space.	Applicant	County Planning Department	CC&R approval by County	Once at CC&R approval	Clause included in CC&Rs	Applicant
4.6-2h Revised Draft EIR page 4.6-76	If human remains are discovered, all work shall stop in the immediate vicinity of the find and the County Coroner must be notified, according to Section 7050.5 of the California Health and Safety Code. If the remains are Native American, the Coroner will notify the Native American Heritage Commission, which in turn will inform a most likely descendant. The descendant will then recommend to the landowner appropriate disposition of the remains and any grave goods.	Applicant	County Planning Department	During Construction	Ongoing	Compliance with Health and Safety Code Section 7050.5	Applicant
4.6-3a Revised Draft EIR page 4.6-76	Should paleontological resources be identified at a particular site, the project manager shall cease operation until a qualified professional can provide an evaluation. Mitigation shall be conducted as follows: 1. Identify and evaluate paleontologic resource by intense field survey where impacts are considered high; 2. Assess effects on identified sites; 3. Consult with the institutional/academic paleontologists conducting research investigations within the geological formations that are slated to be impacted;	Applicant	County Planning Department	During Construction	Ongoing	Evaluation completed and recommendations followed if determined to be feasible	Applicant

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	<p>4. Obtain comments from the researchers;</p> <p>5. Comply with researchers' recommendations to address any significant adverse effects where determined by the County to be feasible pursuant to Mitigation Measure 4.6-3b.</p>						
<p>4.6-5 Revised Draft EIR page 4.6-78 and Supplement to the Final EIR Appendix FEIR-F page 4</p>	<p>Prior to any ground disturbing or demolition work for intersection improvements, road widenings and utilities construction, an on-the-ground inspection shall be conducted of the areas outside existing public rights-of-way by a qualified archaeologist and/or architectural historian, as appropriate. A representative of the United Auburn Indian Community of the Auburn Rancheria shall be invited to participate in such inspections, which will, at a minimum, include a field inspection, the recording on forms distributed by the California Office of Historic Preservation of any cultural resources 45 years old or older, an assessment of eligibility for the California Register of Historical Resources and qualification as a "unique archaeological resource," and a technical report that follows California Office of Historic Preservation guidelines for contents and format. In the event that the report addresses impacts to any Native American cultural place or places, a representative of the United Auburn Indian Community of the Auburn Rancheria shall be invited to review a draft of the report and to offer comments and suggestions regarding how to mitigate impacts to any such Native American cultural places. The report shall contain any feasible mitigation measures to be implemented by the applicant. In some cases, an updated records search by the appropriate information</p>	<p>Applicant in consultation with United Auburn Indian Community (UAIC) representatives. Consultation is to include opportunity for UAIC to participate in archaeological surface inspection, monitoring of test excavations, and review of any required additional mitigation.</p>	<p>County Planning Department</p>	<p>Prior to start of construction</p>	<p>Once prior to construction</p>	<p>Protection and/or recordation of cultural and/or historic resources</p>	<p>Applicant</p>

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Mitigation No. (Page #)	Mitigation Measure (Page #)	Individual Responsible for Monitoring and/or Reporting	Individual or Organization Responsible for Verifying Compliance	Timing of Initial Action	Frequency and Duration of Monitoring	Performance Criteria	Proposed Funding
	center of the California Historical Resources Information System may be necessary if the proposed routes change or if there is more than a year delay between the present study (2005) and said field inspection(s). To the extent that the report includes information pertaining to Native American cultural places, such information shall remain confidential and not be released to the general public.						
4.6-6 Revised Draft EIR page 4.6-78	Placer County shall coordinate with Roseville Public Cemetery District to facilitate the reinterment of any burials affected by the Watt Avenue road widening prior to any physical disturbance of Cemetery frontage. Project applicants shall fully compensate the Cemetery and County for any costs incurred during the grave site testing and reinterment process.	County	County	Prior to construction	Ongoing	Successful testing and reinterment	Applicant
4.6-10 Revised Draft EIR page 4.6-80	If the Off-Site Gravity Sewer Alternative "A" is selected, then disturbance of the California Register-eligible segment of CA-PLA-946-H, the Sacramento Northern Railroad grade, shall be avoided by using jack and bore construction techniques under the railroad grade for placement of the sewer line.	Applicant	County Facility Services	During construction	Ongoing	Avoidance of impacts to resource	Applicant
4.6-13a Revised Draft EIR page 4.6-82	Halt work if cultural resources are discovered. If concentrations of prehistoric or historic period cultural materials are encountered, all work in the vicinity of the find(s) should halt until a qualified archaeologist is retained, evaluates the material, and makes recommendations for further action.	Applicant	City of Roseville	During construction	Ongoing	Protection and/or recordation of cultural and/or historical resources	Applicant and/or fees for service
4.6-13b Revised Draft EIR page 4.6-82	Halt work if human remains are encountered. If human remains are encountered, all work should stop in the vicinity of the bone and the County Coroner should be notified immediately. The procedures	Applicant	City of Roseville	During construction	Ongoing	Compliance with Section 15064.5 (e)(1) and (2) of the	Applicant and/or fees for service

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	outlined in the CEQA Guidelines Section 15064.5(e) should be followed, if human burials are judged to be Native American origin.					CEQA Guidelines	
4.6-13c Revised Draft EIR page 4.6-83	Should any cultural resources, such as structural features, unusual amounts of bone, shell, artifacts, human remains, or architectural remains be encountered during any development activities, work shall be suspended and the Department of Environmental Review and Assessment (DERA) shall be immediately notified. At that time, DERA shall coordinate any necessary investigation of the find with appropriate specialists as needed. The SRCSD shall be required to implement any mitigation deemed necessary by DERA for the protection of cultural resources. In the event of discovery of human remains, all work is to stop and the County Coroner shall be immediately notified pursuant to Section 5097.97 of the California Public Resources Code and Section 70950.5 of the California Health and Safety Code. If the remains are determined to be Native American, guidelines of the Native American Heritage Commission shall be adhered to in the treatment and disposition of the remains.	Applicant	SRCSD and DERA	During construction	Ongoing	Compliance with Health and Safety Code Section 7050.5	Applicant and/or fees for service
4.6-14 Revised Draft EIR page 4.6-82	Prior to any ground disturbing or demolition work for intersection improvements, road widenings and utilities construction, an updated records search through the California Historical Resources Information System shall be performed and on-the-ground inspection will be conducted by a qualified archaeologist and/or architectural historian, as appropriate. Such inspections will at a minimum include a field inspection, the recording on forms	Applicant	County Planning Department	Prior to construction	Once prior to construction	Inspection and/or recordation of cultural and/or historic resources; implementation of any feasible	Applicant

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	distributed by the California Office of Historic Preservation of any cultural resources 45 years old or older, an assessment of eligibility for the California Register of Historical Resources and qualification as a "unique archaeological resource," and a technical report that follows California Office of Historic Preservation guidelines for contents and format. The report shall contain any feasible mitigation measures to be implemented by the applicant.					mitigation measures identified in report	
4.7 TRANSPORTATION AND CIRCULATION							
4.7-1 Revised Draft EIR page 4.7-35	Prepare and implement construction traffic management plans for on-site and off-site construction activities for all development projects, including coordination with appropriate agencies, and implement a community relations program during construction period. The purpose of the construction traffic management plan is to minimize adverse Level of Service or neighborhood traffic impacts during the various phases of construction.	Applicant	County Public Works Department	Prior to Improvement Plan approval	Prior to Improvement Plan approval and ongoing	Completed plans and minimization of adverse traffic impacts.	Applicant
4.7-10a Revised Draft EIR page 4.7-57	A Community Service Area (CSA) shall be established to fund the cost of transit services listed in this section, and any related capital costs for buses, passenger amenities, and facilities.	Applicant and County	County Public Works Department	Prior to approval of the first Development Phase	Once following establishment of CSA	CSA in place	Applicant
4.7-10b Revised Draft EIR page 4.7-57	Bus shelters shall be placed along major roadways at one-half-mile intervals serving Medium-Density, High-Density, Commercial and Office land use designations.	Applicant	County Public Works Department	Prior to establishment of transit service	Once following installation	Shelters in place	Applicant
4.7-21 Revised Draft EIR	Placer County shall coordinate with the City of Roseville, Sacramento County, Sutter County and Caltrans to ensure that roadway improvements	County Public Works Department	County Public Works Department	Prior to improvement plan approval	Ongoing	Maximization of future roadway	Applicant/ Fees

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page 4.7-99	implemented in whole or in part as mitigation for the proposed project are designed to minimize impacts on existing and future roadways and intersections.					intersection impacts	
4.7-22 Revised Draft EIR page 4.7-101	<p>Implement the following or similar Mitigation Measures:</p> <ul style="list-style-type: none"> 4.3.2-2a and b, which require site-specific drainage studies and measures to ensure that project flows can be accommodated by storm drainage infrastructure; 4.3.2-3e, which requires that new development demonstrate that there will be no increase in the water surface elevation of the 100-year flood plain; 4.4-15, -16, -17, -18, -20, -21, -22, -23, -24, -25, and -26, which require surveys for special status species and their habitat, habitat avoidance and compensation where needed, and protection of nesting raptors; 4.6-2a-h, requiring archaeological surveys and appropriate treatment of cultural resources encountered during construction; 4.9-3, which limits the hours during which noisy equipment can be used and requires effective mufflers; 4.9-4, which requires site-specific acoustical analyses during roadway design and noise attenuation features as needed; and 	Applicant	County Public Works Department, Planning Department, County Environmental Health Department	Prior to Improvement Plan approval	During Improvement Plan process and during construction	Compliance with all performance standards contained within the identified mitigation measures	Applicant/ Fees

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	<ul style="list-style-type: none"> 4.12-21a-f, which require Phase I Site Assessments to identify potential contamination, and specify how to handle potential hazards to minimize the risk of exposure. 						
4.8 AIR QUALITY							
4.8-1a Revised Draft EIR page 4.8-31	<p>Construction contractors shall be required to submit a construction emission/dust control plan for approval by the PCAPCD prior to any ground disturbance. At a minimum, this plan shall include the following measures:</p> <ul style="list-style-type: none"> Water exposed earth surfaces as necessary to eliminate visible dust emissions (at least one water truck will be available for every three pieces of earthmoving equipment); Suspend grading operations when wind is sufficient to generate visible dust clouds; Pave, use gravel cover or spray a dust control agent on all haul roads; Wash down all earthmoving construction equipment daily, and wash down all haul trucks leaving the site; Cover all trucks delivering or exporting soil, sand, and other loose materials to ensure that all trucks hauling such materials maintain at least two feet of freeboard; Institute measures to reduce wind erosion when site preparation is completed; 	Applicant	County Planning Department PCAPCD	Prior to and during any construction	Once prior to construction and ongoing	Compliance with plan and reduction in air emissions	Applicant

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	<ul style="list-style-type: none"> Install sandbags or other erosion control measures to prevent silt runoff onto public roadways; Provide graveled, paved or grass-covered areas for construction employee vehicle parking; and The site contractor shall retain a CARB certified individual to routinely perform Visible Emissions Evaluations (VEE) to ensure compliance with Rule 228, Fugitive Dust. Fugitive dust shall not exceed 40% opacity and shall not go beyond property boundaries at any time. The designee's duties shall include holiday and weekend periods when work may not be in progress. <p>Immediately following any mass grading phase, the following dust control measures shall be implemented:</p> <ul style="list-style-type: none"> Apply soil stabilizers or commence reestablishing ground cover to construction areas within 96 hours of completing grading activities; <p>Develop and implement a wind erosion monitoring program for areas which will remain inactive for extended periods; this program should at a minimum provide for weekly monitoring of inactive sites to assess the effectiveness of wind erosion controls.</p>						
4.8-1b Revised Draft EIR	Contractors shall be required to reduce NOx and ROG emissions by complying with the construction vehicle air pollutant control strategies developed by	Applicant	County Planning Department	Beginning of construction	Ongoing throughout construction	Reduction in NOx and ROG	Applicant

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page 4.8-32	<p>the PCAPCD. Contractors shall include in the construction contracts the following requirements or measures shown to be equally effective:</p> <ul style="list-style-type: none"> • Construction equipment operators shall shut off equipment when not in use to avoid unnecessary idling. Generally, vehicle idling should be kept below 10 minutes. • Contractor's construction equipment shall be properly maintained and in good working condition. • The site contractor shall retain a CARB certified individual to routinely evaluate project related off-road and heavy duty on-road equipment emissions for compliance with Rule 202, Visible Emissions. • The prime contractor shall ensure that emissions from all off-road diesel powered equipment used in the Specific Plan area do not exceed 40% opacity for more than three minutes in any one hour. Any equipment found to exceed the 40% opacity shall be repaired immediately, and the County of Placer and the PCAPCD shall be notified within 48 hours of identification of non-compliant equipment. A visual survey of all in-operation equipment shall be made at least weekly, and a monthly summary of the visual results shall be submitted to the County of Placer and the PCAPCD throughout the duration of construction in the Specific Plan area, except that a monthly summary shall not be required for 		and PCAPCD		phase	emissions	

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	<p>any 30-day period in which no construction activity occurs. The monthly summary shall include the quantity and type of vehicles surveyed as well as the dates of each survey. The PCAPCD and/or other officials may conduct periodic site inspections to determine compliance. Nothing in this section shall supersede other PCAPCD or state rules or regulations.</p> <ul style="list-style-type: none"> The prime contractor shall submit to the PCAPCD a comprehensive inventory (i.e. make, model, year, emission rating) of all heavy-duty off-road equipment (50 horsepower or greater) that will be used an aggregate of 40 hours or more for the construction project. PCAPCD personnel, with assistance from the California Air Resources Board, will conduct initial Visible Emissions Evaluations of all heavy-duty equipment on the inventory list. 						
4.8-1c Revised Draft EIR page 4.8-33	The project shall provide a plan, for approval by the Placer County Air Pollution Control District, demonstrating that the heavy-duty (>50 horsepower) off-road vehicles to be used for any construction projects undertaken within the Specific Plan area over its planning lifetime, including owned, leased and subcontractor vehicles, will achieve a project-wide fleet-averaged 20% NOx reduction and 45% particulate reduction compared to the most recent annual CARB off-road construction fleet average for western Placer County. Acceptable options for reducing emissions may include use of late model engines, low-emission diesel products, alternative fuels, engine retrofit technology, after-treatment	Applicant	County Planning Department and PCAPCD	Prior to construction	Once prior to construction	A project-wide fleet-averaged 20% NOx reduction and 45% particulate reduction compared to the most recent annual CARB off-road construction	Applicant

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Mitigation No. (Page #)	Mitigation Measure (Page #)	Individual Responsible for Monitoring and/or Reporting	Individual or Organization Responsible for Verifying Compliance	Timing of Initial Action	Frequency and Duration of Monitoring	Performance Criteria	Proposed Funding
	products, and/or other options as they become available. Contractors can access the Sacramento Metropolitan Air Quality Management District's web site to determine if their off-road fleet meets the requirements listed in this measure. (See http://www.airquality.org/ceqa/Construction_Mitigation_Calculator.xls)					fleet average for western Placer County	
4.8-1d Revised Draft EIR page 4.8-33	Construction contractors shall be required to use low-VOC architectural coatings and asphalt in compliance with District Rules and Regulations. Contractors shall also be required to fuel stationary construction equipment with low-sulfur fuels, and use existing power sources (e.g., power poles) or clean fuel generators in place of temporary diesel power generators whenever feasible.	Applicant	PCAPCD	During construction	Ongoing throughout construction phase	Compliance with PCAPCD Rules and Regulations	Applicant
4.8-1e Revised Draft EIR page 4.8-33	Construction contractors shall be required to provide management of construction traffic. Contractors shall include in the construction contracts the following requirements: <ul style="list-style-type: none"> Contractors shall provide temporary traffic control during all phases of construction activities to improve traffic flow (i.e. flag person); Contractors shall configure construction parking to minimize traffic interference; Contractors shall endeavor to schedule construction activities that affect traffic flow to off-peak hours (e.g. between 7:00 p.m. and 6:00 a.m. and between 10:00 a.m. and 3:00 p.m.); Contractors shall reroute construction traffic off congested streets; and 	Applicant	PCAPCD	During construction	At time of issuance of construction contracts	Compliance with contract language	Applicant

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Mitigation No. (Page #)	Mitigation Measure (Page #)	Individual Responsible for Monitoring and/or Reporting	Individual or Organization Responsible for Verifying Compliance	Timing of Initial Action	Frequency and Duration of Monitoring	Performance Criteria	Proposed Funding
	<ul style="list-style-type: none"> Contractors shall provide dedicated turn lanes for movement of construction equipment on- and off-site. 						
4.8-2a Final EIR Response to Comment 24O	Implement Mitigation Measures 4.8-1a-e where applicable, as determined in consultation with the appropriate air district	Applicant	PCAPCD	Prior to and during construction	Prior to construction	Ongoing	Applicant/ Contractor
4.8-2b Final EIR Response to Comment 24O	Where off-site improvements are located outside Placer County, implement construction emission measures consistent with the policies and regulations of the local air district	Applicant	Local Air District	Prior to and during construction	Prior to construction	Ongoing	Applicant/ Contractor
4.8-3a Revised Draft EIR page 4.8-35	<p>The following guidelines shall be used by the County during review of future project-specific submittals for non-residential development within the Specific Plan area in order to reduce generation of air pollutants with intent that specified measures be required where feasible and appropriate:</p> <ul style="list-style-type: none"> Include in all new parking lots tree plantings designed to result in 50% shading of parking lot surface areas within 15 years. Incorporated by reference in this measure are the City of Sacramento Parking Lot Tree Shading Design and Maintenance Guidelines dated June 17, 2003 (see EIR Appendix U). Also, see Specific Plan Policy 6.25; Equip HVAC units with a PremAir or similar catalyst system, if reasonably available and economically feasible at the time building 	Applicant	County Planning Department and PCAPCD	Prior to approval of building permits	Ongoing	Measurable reduction in air pollutants	Applicant

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	<p>permits are issued. Catalyst systems are considered feasible if the additional cost is less than 10% of the base HVAC unit cost;</p> <ul style="list-style-type: none"> • Install two 110/208 volt power outlets for every two loading docks; • Promote passive solar building design and landscaping conducive to passive solar energy use (i.e., building orientation in a south to southwest direction where feasible, encouraging planting of deciduous trees on western sides of structures, landscaping with drought-resistant species, and including groundcovers rather than pavement to reduce heat reflection). Landscaping plans shall prohibit the use of liquidambar and eucalyptus trees that produce smog-forming compounds (high emission factors for isoprenes); and • Implement the following, or equivalent measures, as determined by the County in consultation with the APCD: <ul style="list-style-type: none"> ▪ Establish building guidelines that encourage the use of low-absorptive coatings on all building surfaces and Energy Star roofing products on all roofs, if reasonably available and economically feasible, at the time building permits are issued; ▪ Establish paving guidelines that require businesses, if feasible, to pave all privately-owned parking areas with a substance with 						

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	<p>reflective attributes (albedo = 0.30 or better) similar to cement concrete. The use of a paving substance with reflective attributes similar to concrete is considered feasible under this measure if the additional cost is less than 10% of the cost of applying a standard asphalt product; and</p> <ul style="list-style-type: none"> Power all off-road equipment used at office, industrial, and commercial uses by the lowest-emission technology reasonably available at the time building permits are issued. 						
4.8-3b Revised Draft EIR page 4.8-36 and Supplement to the Final EIR Letter 59-6 Addendum, September 2012, Ex. A	<p>The following measures shall be used singularly or in combination to accomplish an overall reduction of 10 to 20% in residential energy consumption relative to the requirements of State of California Title 24:</p> <ul style="list-style-type: none"> Use of air conditioning systems that are more efficient than Title 24 requirements; Use of high-efficiency heating and other appliances, such as water heaters, including solar water heaters, cooking equipment, refrigerators, and furnaces; Installation of photovoltaic rooftop energy systems; and Use of energy saving compact fluorescent light bulbs; and Establishment of tree-planting guidelines that require residents to plant trees to shade buildings 	Applicant	County Planning Department and APCD	Prior to approval of building permits	Ongoing	Measurable reduction in air pollutants	Applicant

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Mitigation No. (Page #)	Mitigation Measure (Page #)	Individual Responsible for Monitoring and/or Reporting	Individual or Organization Responsible for Verifying Compliance	Timing of Initial Action	Frequency and Duration of Monitoring	Performance Criteria	Proposed Funding
	<p>primarily on the west and south sides of the buildings. Use of deciduous trees (to allow solar gain during the winter) and direct shading of air conditioning systems shall be included in the guidelines; and</p> <ul style="list-style-type: none"> Other new effective technologies and strategies that become available during project development. 						
4.8-3c Revised Draft EIR page 4.8-37 and Supplement to the Final EIR Letter 59-11	<p>Promote a reduction in residential emissions through implementation of the following measure:</p> <ul style="list-style-type: none"> Prohibit any wood-burning fireplaces, woodstoves, or similar wood-burning devices. Homes may be fitted with UL rated natural gas burning appliances if desired. This prohibition shall be included in any CC&Rs that are established. Encourage the installation of conveniently located electrical outlets within the front, side, and rear yards of all residential structures, as appropriate, to support the use of electrical landscaping equipment. 	Applicant	County Planning Department and APCD	Prior to approval of building permits	Ongoing	Measurable reduction in air pollutants	Applicant
4.8-3d Revised Draft EIR page 4.8-37	<p>For all projects, use the lowest-emitting architectural coatings during construction. When zero-VOC coatings are commercially available, they should be used. When only low-VOC coatings are available, they shall be used in lieu of higher-emitting formulations. Design review submittals shall include information concerning the coating products proposed for use in the project.</p>	Applicant	County Planning and APCD	Prior to approval of building permits	Ongoing	Reduction in air pollutants	Applicant

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Mitigation No. (Page #)	Mitigation Measure (Page #)	Individual Responsible for Monitoring and/or Reporting	Individual or Organization Responsible for Verifying Compliance	Timing of Initial Action	Frequency and Duration of Monitoring	Performance Criteria	Proposed Funding
4.8-3e Revised Draft EIR page 4.8-37	<p>Bicycle usage shall be promoted by requiring the following:</p> <ul style="list-style-type: none"> All non-residential projects shall provide bicycle lockers and/or racks; All apartment complexes or condominiums without garages shall provide at least two Class I bicycle storage spaces per unit; Require residential neighborhoods to be interconnected, with easy access to commercial and recreational land uses. All neighborhoods shall have access to the Class I bicycle trails without having to travel on an arterial street. All schools and public parks (except neighborhood tot lots) shall be connected with a Class I bicycle trail through the open space and greenbelts; A pedestrian/bikeway (P/B) Master Plan shall be developed for the entire Specific Plan area. This master plan shall be consistent with the guidelines established in the Placer County Regional Bikeway Plan and in the Specific Plan; and As each residential phase is constructed, each subdivision shall install its share of the overall P/B network, and ensure that the layout of each residential phase does not interfere with completion of the overall P/B network. Residential areas adjacent to open space corridors shall provide reasonable access to the Class I P/B trails located in the corridors. These Class I corridors shall provide linkages with the 	Applicant	County Planning and APCD	Prior to approval of building permits	Ongoing	Reduction in air pollutants	Applicant

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Mitigation No. (Page #)	Mitigation Measure (Page #)	Individual Responsible for Monitoring and/or Reporting	Individual or Organization Responsible for Verifying Compliance	Timing of Initial Action	Frequency and Duration of Monitoring	Performance Criteria	Proposed Funding
	comprehensive network of other trails throughout the Specific Plan area. The P/B Master Plan shall provide linkages from all residential neighborhoods to all commercial areas. Non-vehicular access shall consist of a network of convenient linkages of Class I, II and III trails.						
4.8-3f Revised Draft EIR page 4.8-38	Transit usage and ride sharing shall be promoted by requiring participation in the development of a regional transit system at such time as a system is established and set-asides of land for park-and ride facilities. Fair share participation may consist of dedication of right-of-way, easements, capital improvements, and/or other methods of participation deemed appropriate. In addition, future project design shall ensure that an adequate number of developers in the Specific Plan area provide reservations for future installations of bus turnouts and passenger benches and shelters, to be installed at such time as transit service is established and as demand and service routes warrant. The two transit centers shall be connected with the Class I bicycle trail. The Specific Plan shall provide for set-asides of land for two separate park-and-ride facilities. Construction of the park-and-ride facilities shall be phased over the buildout period of the project, with the first 50 spaces in place prior to issuance of the 3,000 th residential building permit. Prior to issuance of the 6,000 th residential building permit another 50 spaces shall be provided, followed by 50 more prior to the 9,000 th residential building permit. Forty-three more spaces shall be provided prior to issuance of the 12,000 residential building permit for a total of 193 spaces to be constructed (equal to 0.1% of the	Applicant	County Public Works Department	When regional transit system is established	Ongoing	Required improvements constructed and all required actions taken	Applicant

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	<p>anticipated daily trip generation of the project). A public transit development fee shall be required for all development projects. The amount of this fee shall be based upon the traffic generation potential of each project. A dial-a-ride transportation system shall be established to reduce individual vehicle trips and establish data for the eventual formation of a transit system within the Specific Plan area.</p> <p>An Air Quality and Transportation System Management (TSM) Plan shall be prepared for the Specific Plan to implement all feasible means of reducing Specific Plan area emissions. This plan shall provide for eventual public transit and implementation of trip reduction strategies that coordinate with surrounding areas. A Transportation Management Association (TMA) shall be established that shall be funded by the developer and all businesses located within the Specific Plan area. The TSM plan shall be updated annually by TMA staff to demonstrate compliance with all air quality requirements, and to incorporate the latest state-of-the-art techniques and strategies to reduce emissions. Initially, the TMA shall provide each home and business with an information packet that will contain, at a minimum, the following information:</p> <ul style="list-style-type: none"> • Commute options: to inform Specific Plan area occupants of the alternative travel amenities provided, including ridesharing and public transit availability/schedules; • Maps showing Specific Plan area pedestrian, bicycle, and equestrian paths to community 						

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	<p>centers, shopping areas, employment areas, schools, parks, and recreation areas;</p> <ul style="list-style-type: none"> Instructions on how to use TMA services that will facilitate trip reduction opportunities; and <p>Information regarding PCAPCD programs to reduce county-wide emissions.</p>						
4.8-3g Revised Draft EIR page 4.8-39	<p>All projects requiring issuance of residential and non-residential building permits shall participate in an off-site mitigation program coordinated through the PCAPCD to offset NOx and ROG emissions not mitigated through on-site measures.</p> <p>The PCAPCD, on behalf of Placer County, will determine air quality mitigation fees using calculation methodology established in practice and routinely applied to other, similar, contemporaneous land use development projects. The off-site mitigation program, coordinated through the PCAPCD, is designed to offset the project's long-term ozone precursor emissions. Monetary incentives shall be provided to sources of air pollutant emissions within the project's general vicinity that are not required by law to reduce their emissions. Therefore, the reductions are real, quantifiable and implement provisions of the 1994 State Implementation Plan. The off-site mitigation program reduces emissions within the region that would not otherwise be eliminated and thereby "offsets" the project's increase to regional emissions.</p>	Applicant	PCAPCD	At time of issuance of building permits	Ongoing	Participation in PCAPCD off-site mitigation program	Applicant
4.8-3h Revised Draft EIR	School districts shall be encouraged to incorporate the following measures into the design, construction, and operation of elementary, middle and high school	School Districts	School Districts and APCD	At time of school design construction	Ongoing	Measurable reduction in air pollutants	Applicant

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page 4.8-40	<p>buildings and facilities:</p> <ul style="list-style-type: none"> Install bicycle lockers and racks at all appropriate locations; Post signage prohibiting the idling of diesel vehicles for longer than five minutes; Construct at least one bus stop at a convenient location to be used for either fixed route service within the Specific Plan area or commuter service; Provide a community notice board and information kiosk with information about community events, ride-sharing, and commute alternatives; Provide preferential parking for carpools and hybrid vehicles (vehicles with self-charging electric engines); and <p>Incorporate solar water heating systems and HVAC PremAir or similar catalyst systems in building design.</p>			and operation			
4.8-3i Revised Draft EIR page 4.8-39	<p>The following measures shall be incorporated into the design, construction, and operation of public park areas:</p> <ul style="list-style-type: none"> The pedestrian/bikeway (P/B) master plan shall provide at least one Class I linkage to all school sites; Additional Class I and II linkages shall be provided so as to provide convenient access 	Applicant	County Facility Services	Prior to improvement plan approval	Once prior to improvement plan approval	Facilities constructed and information board provided	Applicant

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Mitigation No. (Page #)	Mitigation Measure (Page #)	Individual Responsible for Monitoring and/or Reporting	Individual or Organization Responsible for Verifying Compliance	Timing of Initial Action	Frequency and Duration of Monitoring	Performance Criteria	Proposed Funding
	<p>to/from the park sites;</p> <ul style="list-style-type: none"> Install bicycle lockers and racks at all appropriate locations; <p>Provide a community notice board and information kiosk with information about community events, ride-sharing, and commute alternatives.</p>						
4.8-3j Revised Draft EIR page 4.8-40	Prohibit open burning throughout the Specific Plan area. Include this prohibition in any project CC&Rs that are established.	Applicant	County Planning Department	Prior to County approval of CC&Rs	Once prior to CC&R approval	Inclusion of language in CC&Rs	Applicant
4.8-3k Revised Draft EIR page 4.8-40	The County may substitute different air pollution control measures for individual projects, that are equally effective or superior to those proposed herein, as new technology and/or other feasible measures become available in the course of buildout of the Specific Plan area.	County	County	Prior to building permit approval	Ongoing	Comparable or greater reduction in air pollutants	Applicant
4.8-6a Revised Draft EIR page 4.8-44	The operators shall obtain an Authority to Construct/NSR permit and a Permit to Operate from the air district with jurisdiction prior to addition and operation of new facilities.	City of Roseville and SRCSD	City of Roseville and SRCSD	Prior to construction	Once prior to construction	Compliance with APCD rules and regulations	Applicant and/or fees for service
4.8-6b Revised Draft EIR page 4.8-44	Potential odor effects shall be mitigated by installing or maintaining existing odor control systems, including odor scrubbers or chemical addition, for all screening facilities and grit/primary sedimentation facilities.	City of Roseville and SRCSD	City of Roseville and SRCSD	Prior to construction	Once prior to construction	Compliance with APCD rules and regulations	Applicant and/or fees for service
4.8-6c Revised Draft EIR page 4.8-44	The County shall ensure that notice is provided in the recorded Covenants, Codes and Restrictions of all lots created within 500 feet of the proposed lift stations that there is the potential for odors to result	Applicant	County Planning Department	Prior to County approval of CC&Rs	Once prior to CC&R approval	Inclusion of language in CC&Rs	Applicant

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Mitigation No. (Page #)	Mitigation Measure (Page #)	Individual Responsible for Monitoring and/or Reporting	Individual or Organization Responsible for Verifying Compliance	Timing of Initial Action	Frequency and Duration of Monitoring	Performance Criteria	Proposed Funding
	from lift station operations and maintenance.						
4.9 NOISE							
4.9-3a Revised Draft EIR page 4.9-17 and Second Partially Recirculated Revised Draft EIR page 6.3-12	The hours of operation of noise-producing equipment shall comply with Placer County's "Standard Construction Noise Condition of Approval." Effective mufflers shall be fitted to gas- and diesel-powered equipment to reduce noise levels as much as possible.	Applicant	County Public Works Department and Planning Department	During construction	Ongoing during construction	Compliance with adopted noise standards	Applicant
4.9-3b Second Partially Recirculated Revised Draft EIR page 6.3-13	As part of the project plans and specifications, the construction contractor shall prepare and implement a blasting plan. Primary components of the plan shall consist of the following applicable items: <ul style="list-style-type: none"> • Identification of blast officer. • Limits on blasting activities. Blasting activities will be limited to Monday through Friday. • Scaled drawings of blast locations, and neighboring buildings, streets, or other locations that could be inhabited. • Blasting notification procedures, lead times, and list of those notified Public notification to potential affected vibration receptors describing the expected extent and duration of the blasting. • Description of means for transportation and on- 	Applicant	County Public Works Department and Planning Department	Prior to improvement plan approval	Ongoing during construction	Compliance with adopted noise standards	Applicant

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Mitigation No. (Page #)	Mitigation Measure (Page #)	Individual Responsible for Monitoring and/or Reporting	Individual or Organization Responsible for Verifying Compliance	Timing of Initial Action	Frequency and Duration of Monitoring	Performance Criteria	Proposed Funding
	<p>site storage and security of explosives in accordance with local, State, and federal regulations.</p> <ul style="list-style-type: none"> • Minimum acceptable weather conditions for blasting and safety provisions for potential stray current (if electric detonation). • Traffic control standards and traffic safety measures (if applicable). • Requirement for provision and use of personal protective equipment. • Minimum standoff distances and description of blast impact zones and procedures for clearing and controlling access to blast danger. • Procedures for handling, setting, wiring, and firing explosives. Also, the plan should include procedures for handling misfires per Federal code. • Type and quantity of explosives and description of detonation device. Sequence and schedule of blasting rounds, including general method of excavation, lift heights, etc. • Methods of matting or covering of blast area to prevent flyrock and excessive air blast pressure. • Description of blast vibration and air blast monitoring program. 						

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Mitigation No. (Page #)	Mitigation Measure (Page #)	Individual Responsible for Monitoring and/or Reporting	Individual or Organization Responsible for Verifying Compliance	Timing of Initial Action	Frequency and Duration of Monitoring	Performance Criteria	Proposed Funding
	<ul style="list-style-type: none"> • Dust control measures in compliance with applicable air pollution control regulation (to interface with general construction dust control plan). • Emergency Action Plan to provide emergency telephone numbers and directions to medical facilities. Procedures for action in the event of injury. • Material Safety Data Sheets for each explosive or other hazardous materials to be used. • Evidence of licensing, experience, and qualification of blasters. • Description of insurance for the blasting work. <p>The blasting plan shall also include the following applicable noise reducing measures:</p> <ul style="list-style-type: none"> • The blasting plan shall establish vibration limits in order to protect structures from blasting activities and identify specific monitoring points. At a minimum, a pre-blast survey will be conducted at any potentially affected structures and underground utilities within 500 feet of a blast area, as well as the nearest commercial or residential structure, prior to blasting. • The blasting plan shall include visual inspection of the structures that could be affected, documentation of structures by photographs, video, and a level survey of the ground floor of 						

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Mitigation No. (Page #)	Mitigation Measure (Page #)	Individual Responsible for Monitoring and/or Reporting	Individual or Organization Responsible for Verifying Compliance	Timing of Initial Action	Frequency and Duration of Monitoring	Performance Criteria	Proposed Funding
	<p>structures or the crown of major and critical utility lines. This document shall be reviewed with the individual owners prior to any blasting operations. PCWA and affected property owners shall be notified at least 48 hours prior to the visual inspections.</p> <ul style="list-style-type: none"> • Vibration and settlement threshold criteria (for example peak particle velocity of 0.5 inches per second) shall be submitted by the blaster to the County for review and approval during the design process. If the settlement or vibration criteria are exceeded at any time or if damage is observed at any of the structures or utilities, then blasting will immediately cease and the County immediately notified. The stability of segmental retaining walls, existing slopes, creek canals, etc. will be monitored and any evidence of instability due to blasting will result in immediate termination of blasting. The blaster will modify the blasting procedures or use alternative means of excavating in order to reduce the vibrations to below the threshold values, prevent further settlement, slope instability, and prevent further damage. • Air blast overpressure limits will be set and monitoring shall be conducted at the property line closest to the blast and at other above-ground structures identified in the blasting plan for vibration monitoring. Air blast overpressure limits shall be in accordance with applicable laws and shall be established to prevent damage to adjacent properties, new construction, and to 						

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Mitigation No. (Page #)	Mitigation Measure (Page #)	Individual Responsible for Monitoring and/or Reporting	Individual or Organization Responsible for Verifying Compliance	Timing of Initial Action	Frequency and Duration of Monitoring	Performance Criteria	Proposed Funding
	<p>prevent injuries to persons on-site and off-site.</p> <ul style="list-style-type: none"> Prior to full-scale production blasting, the blaster shall conduct a series of test blasts at the sites where blasting is to occur. The tests will start with reduced charge weights and will increase incrementally to that of a full-scale production round. Monitoring shall be conducted as described in the blasting plan. Post-construction monitoring of structures shall be performed to identify (and repair if necessary) all damage, if any, from blasting vibrations. Any damage will be documented by photograph, video, etc. This documentation shall be reviewed with the individual property owners. Reports of the results of the blast monitoring shall be provided to the County, the local fire department, and owners of any buried utilities on or adjacent to the site within 24 hours following blasting. Reports documenting damage, excessive vibrations, etc. shall be provided to the County, PCWA and affected property owners. 						
4.10 POPULATION, EMPLOYMENT, AND HOUSING							
None							
4.11 PUBLIC SERVICES/INFRASTRUCTURE							
4.11.5-1a Revised Draft EIR page 4.11-30	Contractors shall be required to provide on-site separation of construction debris to assure a minimum 50% diversion of this material from the landfill, or all construction debris shall be hauled to the WMA MRF for recycling.	Applicant	Western Placer Waste Management Authority	Start of construction	Monthly	Adequate number of on-site bins for this purpose	Applicant

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Mitigation No. (Page #)	Mitigation Measure (Page #)	Individual Responsible for Monitoring and/or Reporting	Individual or Organization Responsible for Verifying Compliance	Timing of Initial Action	Frequency and Duration of Monitoring	Performance Criteria	Proposed Funding
4.11.5-1b Revised Draft EIR page 4.11-31 and Supplement to the Final EIR Appendix FEIR-F page 2	Projects in the Specific Plan area shall contribute a fair share amount toward expansion of the MRF (including accommodation of a greenwaste program for the Specific Plan area) and landfill to the Western Placer Waste Management Authority. Payment of all applicable established fees in place at the time of issuance of a building permit shall constitute fair share pursuant to this mitigation measure. Expansions to be funded with the fair share payment may include facilities not located on the site of the landfill such as transfer stations serving the Specific Plan area.	Applicant	County Planning Department and Building Department	Prior to use of West Placer Waste Management Authority facilities.	Ongoing during buildout of Specific Plan area.	Fair share fees paid	Persons using West Placer Waste Management Authority facilities
4.11.5-1c Revised Draft EIR page 4.11-30	A source-separated greenwaste program shall be implemented within the Specific Plan area, subject to review and approval by the Western Placer Waste Management Authority.	Applicant	Western Placer Waste Management Authority	Prior to County issuance of any certificates of occupancy	Once prior to County issuance of certificates of occupancy	Program in place	Applicant
4.11.5-1d Revised Draft EIR page 4.11-30	The Specific Plan proponents shall present a plan for County approval that meets the requirements of Placer County Code Section 8.16.080. The plan shall ensure the development and continuous operation and maintenance of recycling centers within the Specific Plan area. Recycling centers shall accept all types of recyclable waste, shall be fenced and screened from view, and shall be located in commercial or industrial areas dispersed throughout the Specific Plan area. The first recycling center shall be established upon issuance of the 1500th residential building permit.	Applicant	County Planning Department, Western Placer Waste Management Authority	Prior to County issuance of any certificates of occupancy	Once prior to issuance of any certificates of occupancy; once prior to issuance of 1500 th residential building permit; and ongoing	Compliance with the requirements of Placer County Code Section 8.16.080	Applicant
4.11.6-3a Revised Draft EIR	Design of on- and off-site sewer pipelines shall have watertight joints and be in accordance with design standards adopted by Placer County in order to	Applicant	County Public Works Department;	Prior to approval of improvement	During improvement plan process	Compliance with Placer County design	Applicant

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page 4.11-52	minimize the potential for accidental discharge.		Department of Facility Services	plans	and during construction	standards and no degradation of water quality	
4.11.6-3b Revised Draft EIR page 4.11-52	Paved access shall be provided to all sewer system access points to allow for pipeline maintenance and repair.	Applicant	County Public Works Department; Department of Facility Services	Prior to improvement plan approval	During improvement plan process and during construction	Presence of paved access to County standards	Applicant
4.11.14-3 Revised Draft EIR page 4.11-184	The Specific Plan proponents shall submit a phased schedule for providing the above described general government facilities for approval by the County Executive Office. Funding for construction, operation and maintenance of these improvements shall be provided in accordance with Mitigation Measure 4.11.14-2.	Applicant	County Executive Office	Prior to approval of each Development Phase	Once prior to approval of the first Development Phase and ongoing with each subsequent Development Phase	Approved schedule and funding program	Applicant
4.12 HAZARDS							
4.12-12a Revised Draft EIR page 4.12-29	During construction, all grading shall be performed in a manner to prevent the occurrence of standing water or other areas suitable for breeding of mosquitoes and other vectors.	Applicant	Placer Mosquito Abatement District	During construction	Ongoing	Lack of suitable habitat for breeding mosquitoes	Applicant
4.12-19a Revised Draft EIR page 4.12-37	The design of the substation shall implement no cost and low cost EMF reduction measures on new and upgraded transmission, substation, and distribution facilities. These measures shall reduce the magnetic field strength in the area by 15% or more at the fence line as compared to traditional installations.	PG&E	PG&E and State PUC	Prior to construction	Once prior to construction	EMF reduction	PG&E

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4.12-19b Revised Draft EIR page 4.12-37	PG&E proposes to prepare an EMF Field Management Plan that will specifically delineate the no-cost and low-cost EMF measures to be installed as part of the final engineering design for the substation. PG&E shall submit to the California Public Utilities Commission the EMF Field Management Plan for the project, prior to construction activity on the substation.	PG&E	PG&E and State PUC	Prior to construction	Once prior to construction	EMF reduction	
4.12-19c Revised Draft EIR page 4.12-37	The site shall be graded to direct drainage to a pond that meets Federal Guidelines (40 Code of federal Regulations, Part 112) for the facility so that, in the event a transformer becomes damaged and leaks oil, the oil would drain into the pond. The pond shall be designed to be impermeable and designed to contain 100% of the largest transformer oil volume plus 10% to contain rainwater and prevent discharge to surface water.	PG&E	PG&E and State PUC	During construction	Once following site grading	Compliance with federal regulations	PG&E
4.12-19d Revised Draft EIR page 4.12-37	Storage batteries shall be located inside a dedicated metal-enclosed compartment in the switchgear.	PG&E	PG&E and State PUC	During operation	Ongoing	Proper battery storage	PG&E
4.12-19e Revised Draft EIR page 4.12-37	Access to the site shall be restricted by fencing and warning signs posted to alert persons of the potential electrical hazards.	PG&E	PG&E and State PUC	Following construction	Once following fence installation	Access properly restricted	PG&E
4.12-19f Revised Draft EIR page 4.12-37	The power lines shall be designed in accordance with California Public Utilities Commission General Order 95 Guidelines for safe ground clearances that have been established to protect the public from electric shock.	PG&E	PG&E and State PUC	Prior to construction	Once prior to construction	Compliance with PUC regulations	PG&E

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4.12-19g Revised Draft EIR page 4.12-37	The substation shall be fitted with an automated central alarm system that will immediately alert PG&E to any change in equipment condition.	PG&E	PG&E and State PUC	Following construction	Once following alarm installation	Alarm installed and functioning	PG&E
4.12-21f Revised Draft EIR page 4.12-39	Disposal of auto parts, debris, household waste and similar materials by licensed waste haulers at approved waste disposal facilities shall be completed prior to any construction within off-site utility corridors.	Applicant	County Environmental Health Services and County Department of Public Works	Prior to approval of improvement plans	Once prior to approval of improvement plans	Removal of all of the described materials	Applicant
4.13 GREENHOUSE GAS EMISSIONS AND GLOBAL CLIMATE CHANGE							
4.13-1a Second Partially Recirculated Revised Draft EIR page 4.13-17	Implement Mitigation Measure 4.8-3, establishing guidelines for County review of future project-specific submittals for non-residential development within the Specific Plan area in order to reduce generation of air pollutants.	Applicant	County Planning Department and PCAPCD	Prior to approval of building permits	Ongoing	Measurable reduction in air pollutants	Applicant
4.13-1b Second Partially Recirculated Revised Draft EIR page 4.13-17	Implement Mitigation Measure 4.8-3b, requiring implementation measures to accomplish an overall reduction of 10 to 20% in residential energy consumption relative to the requirements of State of California Title 24.	Applicant	County Planning Department and PCAPCD	Prior to approval of building permits	Ongoing	Measurable reduction in air pollutants	Applicant
4.13-1c Second Partially Recirculated	Implement Mitigation Measure 4.8-3c, promoting a reduction of residential emissions.	Applicant	County Planning Department and PCAPCD	Prior to approval of building permits	Ongoing	Reduction in air pollutants	Applicant

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Revised Draft EIR page 4.13-17							
4.13-1d Second Partially Recirculated Revised Draft EIR page 4.13-17	Implement Mitigation Measure 4.8-3e, requiring measures to promote bicycle usage.	Applicant	County Public Works Department	When regional transit system is established	Ongoing	Required improvements constructed and all required actions taken	Applicant
4.13-1e Second Partially Recirculated Revised Draft EIR page 4.13-17	Implement Mitigation Measure 4.8-3f, requiring measures to promote transit usage and ride sharing.	Applicant	County Public Works Department	When regional transit system is established	Ongoing	Required improvements constructed and all required actions taken	Applicant
4.13-1h Second Partially Recirculated Revised Draft EIR page 4.13-17	Implement Mitigation Measure 4.8-3h, encouraging school districts to incorporate energy saving measures into the design, construction, and operation of elementary, middle and high school buildings and facilities.	School Districts	School Districts and PCAPCD	At time of school design construction and operation	Ongoing	Measurable reduction in air pollutants	Applicant
4.13-1i Second Partially Recirculated Revised Draft EIR	Implement Mitigation Measure 4.8-3i, requiring measures to promote bicycle use, ride sharing, and commute alternatives to be incorporated into the design, construction and operation of public park areas.	Applicant	County Facility Services	Prior to improvement plan approval	Once prior to improvement plan approval	Facilities constructed and information board provided	Applicant

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page 4.13-17							
4.13-1j Second Partially Recirculated Revised Draft EIR page 4.13-17	Implement Mitigation Measure 4.6-3j, prohibiting open burning throughout the Specific Plan Area and requiring this prohibition in any project CC&Rs that are established.	Applicant	County Planning Department	Prior to County approval of CC&Rs	Once prior to CC&R approval	Inclusion of language in CC&Rs	Applicant
4.13-1k Second Partially Recirculated Revised Draft EIR page 4.13-17	Implement Mitigation Measure 4.7-2a-b; 4.7-5a-b, 4.7-6a-b; 4.7-12; and 4.7-13a-b, 4.7-15a-b, 4.7-16a-b, 4.7-17a-b, 4.7-19a-b, mitigating traffic .	Applicant	County Public Works Department	Prior to approval of improvement plans or issuance of building permits.	Ongoing	Roadway improvements installed.	Applicant
4.13-1l Second Partially Recirculated Revised Draft EIR page 4.13-17	Implement mitigation measures 4.11.5-1a -4.11.5-1d, requiring waste diversion and recycling.	Applicant	County Planning Department, Western Placer Waste Management Authority	Prior to County issuance of any certificates of occupancy	Once prior to issuance of any certificates of occupancy; once prior to issuance of 1500 th residential building permit; and ongoing	Compliance with the requirements of Placer County Code Section 8.16.080	Applicant
4.13-1m Second Partially Recirculated Revised Draft EIR	Placer County and the project applicant shall work together to publish and distribute an Energy Resource Conservation Guide describing measures individuals can take to increase energy efficiency and conservation. The applicant shall be responsible for funding the preparation of the Guide. The Energy	Applicant	County Planning Department	Prior to issuance of residential building permits	Once prior to issuance of building permits and once every five years thereafter	Current Guide is available at the public counter	Applicant

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page 4.13-18	Resource Conservation Guide shall be updated every 5 years and distributed at the public permit counter.						
4.13-1n Second Partially Recirculated Revised Draft EIR page 4.13-18	The project applicants shall pay for an initial installment of Light Emitting Diode (LED) traffic lights in all Specific Plan area traffic lights.	Applicant	County Public Works Department	Prior to traffic light improvement plan approvals.	Once prior to each traffic light installation	Light Emitting Diodes installed.	Applicant
4.13-1o Second Partially Recirculated Revised Draft EIR page 4.13-18	The project applicants and Placer County shall jointly develop a tree planting informational packet to help project area residents understand their options for planting trees that can absorb carbon dioxide.	Applicant	County Planning Department	Prior to issuance of residential building permits	Once prior to issuance of building permits	Informational packet available to public.	Applicant
4.13-1p Second Partially Recirculated Revised Draft EIR page 4.13-18 Addendum, September 2012, Ex. A	Prioritized parking within commercial and retail areas shall be given to electric vehicles, hybrid vehicles, and alternative fuel vehicles.	Applicant	County Planning Department	Prior to issuance of improvement plans building permits for commercial projects structures	Once prior to issuance of any certificates of occupancy	Parking is available and clearly identified.	Applicant
4.13-1q Supplement to Final EIR Letter 59-8	The County shall monitor and support the efforts of the California Air Resources Board, the California Energy Commission, the California Public Utilities Commission, the California Power Authority, and any other State Agency charged with reducing	County Planning Department	County Board of Supervisors.	Prior to issuance of any building permits.	Ongoing	Maintenance of contemporary mitigation strategies	County

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	<p>California's contribution to global climate change to formulate mitigation strategies, if any, that may be implemented on a voluntary basis by local government. If and when any such strategies become available, the County shall condition site-specific approvals under the Placer Vineyards Specific Plan on the adoption of such measures if the County Board of Supervisors determines that such measures are feasible. As used in this Mitigation Measure, "feasible" means: 1) the mitigation strategy has been successfully demonstrated in the same or very similar application; 2) the mitigation strategy has been demonstrated in a similar development such that application of the mitigation strategy to the Placer Vineyards site specific development is appropriate; and 3) the mitigation strategy is cost effective in terms of the number of dollars that would be expended per metric ton of GHG emissions reduced.</p>						

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