Resource Impacted that May Warrant Compensatory Mitigation 1	Regional Goals and Regional Objectives	Mitigation Desired Outcomes ²	Potential Mitigation Actions ³
Ecology: Vegetation (Inter-Mountain Basins Mixed Salt Desert Scrub, Inter- Mountain Basins Desert Shrub Steppe, and Inter- Mountain Basins Big Sagebrush Shrubland	Goal: Manage or enhance vegetation resources to ensure future ecological biodiversity, stability and sustainability, and to respond to climate change. This would include diverse vegetative community and structural types to maintain soil site stability and hydrologic function while also maintaining the ecological integrity necessary to sustain or enhance viable and resilient wildlife populations. Objectives: Maintain or enhance the functional integrity of vegetation systems to ensure sustainable wildlife populations. Respond to the effects of climate change by maintaining vegetative communities in good vegetative and soil health. Manage communities to a standard which have decadent, dying or dead vegetation (carbon releaser) as a minor component (less than 10 percent) as compared to live, vigorous vegetation, which stores carbon. Within sagebrush and sagebrush steppe communities, identify areas in need of restoration due to pinyon and juniper expansion or sagebrush dominance. Initiate restoration and/or rehabilitation efforts to ensure sustainable population of sage-grouse, mule deer and other sagebrush obligate species. Maintain vegetation treatment areas to provide suitable habitats for wildlife	Create, restore, and/or acquire equivalent functional acreage of vegetation communities lost through development on the SEZ at a ratio of 1:1 or greater depending on the health of the impacted vegetation community within 5 years after initiation of development.	Acquire high quality habitat to compensate for the loss of comparable habitat and ensure preservation through conservation easements or other mechanisms Habitat enhancement and restoration (e.g., restore areas of pinyon-juniper encroachment). Rehabilitate existing disturbed areas.
	and wild horses and adequate forage for livestock. Meet rangeland health standards and guidelines.		

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Only resources for which residual impacts warranting compensatory mitigation may occur ("yes" or "maybe") are included in this table. Resources/Issues with no residual impacts found to warrant compensatory mitigation include: Acoustics, Air Quality, Climate Change, Hydrology - Surface and Groundwater, Environmental Justice, Lands & Realty, Paleontology, Recreation, Socioeconomics, and Wild Horses and Burros.

² The mitigation desired outcome is a measurable objective on the scale of an SEZ that is tied explicitly to the impacts and can be applied to achieve regional goals and objectives for the resource.

³ A mitigation action is an activity, process, or measure that may include establishment, enhancement, restoration, and preservation of resources offsetting residual effects.

Resource Impacted that May Warrant Compensatory Mitigation 1			3
Ecology: Terrestrial Wildlife, Aquatic Biota, and Migratory Birds	Goal: Manage the biological integrity of terrestrial and aquatic ecosystems to sustain or enhance habitat, fish and wildlife populations with emphasis on ecosystem health, and species biodiversity. Manage activities on federal lands to avoid, minimize, or mitigate adverse impacts to fish and wildlife species and their habitat. Maintain habitat connectivity and wildlife movement between ecological zones and seasonal use areas. Manage for the continuity and productivity of fish and wildlife and their habitat to support federal and State of Utah wildlife population objectives and other management plans. Objectives: Maintain crucial habitats in public ownership, and acquire additional crucial habitat through acquisition or exchange. Maintain enhance, or restore desired plant communities within important wildlife habitat. Manage pesticide, rodenticide, and herbicide application in a manner compatible with fish and wildlife health. Manage to prevent or control diseases that threaten fish and wildlife populations or their habitat. Manage to prevent the spread of terrestrial and aquatic invasive species. Manage to reduce or eliminate adverse impacts to or conflicts between resource uses and fish and wildlife populations and their habitats. Maintain or enhance movement corridors and seasonal habitat-use patterns and minimize habitat fragmentation for important species through avoidance and site-specific reclamation. Maximize partnership and cooperative management opportunities to maintain or reestablish habitat connectivity across federal and non-federal lands. Manage habitats to maintain or improve functional ecosystems on public lands. Manage for the introduction, translocation, augmentation and reestablishment of fish and wildlife to restore or expand populations within appropriate habitats.	Restore, enhance, and/or acquire equivalent habitat acreage conditions and biological function lost to SEZ development. Re-establish and maintain migration corridors specifically for pronghorn. Do not allow construction in SEZs during spring and fall migratory bird seasons. Reduce noise from operations during important migratory bird spring and fall migrations.	Improve existing wildlife habitat conditions through restoration (e.g., see vegetation actions above). Acquire high quality habitat to compensate for the loss of comparable habitat and ensure preservation through conservation easements or other mechanisms. Remove unnecessary fences or install wildlife friendly fences where fences are necessary. Restore wildlife connectivity and habitat conditions through restoration by modification of wildlife fencing in the area to meet wildlife friendly standards. Note: Through an ecosystem-based approach to mitigation, mitigation actions for vegetation (above) may also mitigate impacts to terrestrial wildlife, aquatic biota, and special status species.

Resource Impacted that May Warrant Compensatory Mitigation ¹	Regional Goals and Regional Objectives	Mitigation Desired Outcomes ²	Potential Mitigation Actions ³
Ecology: Special Status Species 4 (Burrowing Owl, Golden Eagle, Greater Sage- grouse, Dark Kangaroo Mouse, Pygmy Rabbit, Utah Prairie Dog)	Goal for all Special Status Species: Manage the biological integrity of terrestrial and aquatic ecosystems to sustain or enhance habitat and special status species populations with an emphasis on ecosystem health and species biodiversity. Manage environmental risks in a manner to sustain or enhance special status species populations. Maintain viable populations (equal or larger) of affected special status species in the region. Objectives: See objectives for vegetation and wildlife – the objectives listed are also applicable for management of special status species. To address impacts to special status species, the pattern of vegetation mitigated should be functionally equivalent to impacted habitat for special status species. The following objectives pertain specifically to special status species: Maintain, protect, and enhance habitats (including but not limited to designated critical habitat) of federally listed threatened, endangered, or candidate fish and wildlife species to actively promote recovery to the point that they no longer need protection under the Endangered Species Act (ESA). Maintain, protect, and enhance habitats of BLM sensitive fish and wildlife species, consistent with the conservation needs of the species, to prevent the listing of these species under the ESA. Manage for desired habitat conditions through vegetation practices or prescriptive resource management. Support research of threatened, endangered, candidate, proposed and sensitive species and their habitats.	Restore or enhance equivalent habitat acreage, condition, and biological function lost to SEZ development for all SSS species. Restoration of wildlife connectivity, specifically pygmy rabbit and Utah prairie dog, at a mitigation ratio of 1:1 or greater depending on the habitat value. Restoration of equal or greater amount of foraging habitat specifically for golden eagle.	Habitat enhancement and restoration. Improve existing wildlife permeability habitat conditions (for example, for Western Burrowing Owl, through restoration of old agricultural fields). Acquisition and/or preservation of habitat that meets standards for high quality habitat. For Western Burrowing Owl, Utah prairie dog and pygmy rabbits, prior to construction identify or acquire site(s) for relocation for individuals disturbed by construction on the SEZ.

⁴ Applicable species vary by SEZ (see Appendix C).

Resource Impacted that May Warrant Compensatory Mitigation 1	Regional Goals and Regional Objectives	Mitigation Desired Outcomes ²	Potential Mitigation Actions ³
Soils	Goal: Maintain or enhance soil health (e.g., chemical, physical, and biotic properties) with emphasis on making significant progress toward meeting the Utah Standards for Rangeland Health. Objectives: Apply guidelines and appropriate measures to all management actions (including reclamation) affecting soil health to decrease wind and water erosion and sedimentation, to achieve and maintain stability, and to support the hydrologic cycle by providing for water capture, storage, and release. Manage the vegetation resource in a condition that will provide sufficient cover and litter to protect the soil surface from excessive wind and water erosion, reduce bare ground, promote infiltration, detain surface flow and reduce soil moisture loss by evaporation. This includes making provisions for reducing percentage of invasive or noxious weed relative to desired plant populations. Protect fragile soils, such as those with high or severe erosion potential and those with steep slopes.	Restore and/or acquire equivalent acreage of soil cover lost through development on SEZ.	Acquire high quality soil habitat to compensate for the loss of comparable soils and ensure preservation through conservation easements or other mechanisms Rehabilitate existing disturbed areas.
Cultural Resources	Goal: Identify, preserve, and protect significant cultural resources and ensure that the values of these resources are available for current and future generations. Objectives: Monitor and protect significant cultural resources from natural or human-caused deterioration. Conserve targeted cultural resources that face immediate threat or are in high public interest areas in stable condition. Promote partnerships (including with tribes), stewardship, conservation, and appreciation of cultural resources. Make available cultural resources for educational use, interpretive use, and scientific research.	Where possible, avoid cultural resources, particularly high concentrations, through identification of non-development areas within SEZs. Protect and preserve at-risk cultural resources to provide mitigation for residual impacts within 5 years of development of SEZ. Enhance present and future public use and enjoyment of cultural resources in the region to provide mitigation for residual impacts within 5 years of development of SEZ.	Implement security and enforcement measures. Implement interpretive and educational measures.

Resource Impacted that May Warrant Compensatory Mitigation ¹	Regional Goals and Regional Objectives	Mitigation Desired Outcomes ²	Potential Mitigation Actions ³
Livestock Grazing	Goal: Manage livestock grazing to maintain or restore healthy, sustainable rangeland ecosystems to provide for a wide range of resource values. Objectives: Manage livestock grazing in accordance with Utah Guidelines for Grazing Management or the most current policy. Manage livestock grazing including, but not limited to, proper utilization levels, upward or static vegetative trends, and PFC through management prescriptions and administrative adjustments to grazing permits. Achieve healthy, sustainable rangeland ecosystems that support the livestock industry while providing for other resource values. Meet rangeland health standards and guidelines.	Restore and/or acquire equivalent acreage of forage lost to SEZ development to sustain healthy practices.	Acquire high quality forage habitat to compensate for the loss of comparable habitat and ensure preservation through conservation easements or other mechanisms Habitat enhancement and restoration (e.g., restore areas of pinyon-juniper encroachment). Rehabilitate existing disturbed areas.
Specially Designated Areas	Goal: Manage National Historic Trails for long-term heritage and educational values. Enhance public experience through interpretive facilities and support of heritage tourism. Objectives: Maintain compatible recreational use with National Historic Trail values. Maintain setting for those contributing trail segments where setting is an aspect of integrity by utilizing viewshed management tools. Increase opportunities for public education and interpretation along National Historic Trails. Maximize partnership and cooperative management opportunities (e.g., cooperate with private landowners to install trail markers, provide public access, etc.) to provide a continuous experience along designated National Historic Trails.	For every acre of SEZ development and areas with residual visual effects, provide funds to enhance visual and cultural resources.	Use land acquisitions, conservation easements, or public access easements to protect, preserve, and enhance the existing setting of the Old Spanish National Historic Trail. Enhance visitor experience through development of educational and interpretative services, such as trails, signage, kiosks, and literature.

Resource Impacted that May Warrant Compensatory Mitigation 1	Regional Goals and Regional Objectives	Mitigation Desired Outcomes ²	Potential Mitigation Actions ³
Tribal Concerns	Goal: Develop and maintain working relationships with those tribes having an interest in the area. Objectives: Consult with tribal governments regarding proposed land uses having the potential to impact resources identified as having tribal interests or concerns. Determine the types of resources of concern to various tribes, and take tribal views into consideration when making land use allocations or decisions. Provide opportunities for traditional (Native American) uses.	To be developed in consultation with tribes.	To be developed in consultation with tribes.

Resource Impacted that May Warrant Compensatory Mitigation 1	Regional Goals and Regional Objectives	Mitigation Desired Outcomes ²	Potential Mitigation Actions ³
Visual Resources ⁵	Goals: Plan, modify, and implement management actions, consistent with visual resource management objectives. Preserve and/or enhance scenic quality in the region through preservation of open-space landscapes and undisturbed views, or through restoration of habitat to compensate for visual resources impaired by development. Objective: Minimize potential development impacts on visual resources through implementation of mitigation measures including, but not limited to, proper siting and location, color treatment, and reduction of unnecessary site disturbance. For example, cultural and ecological mitigation actions could in concert appropriately mitigate visual resource impacts through re-vegetation, increased site protection, etc. Visual resource mitigation efforts could also benefit cultural and ecological resources.	Repair, maintain, and/or enhance scenic quality by reducing visual contrast through proper landscape remediation and reclamation that restore natural scenic quality and integrity.	Implement landscape remediation and reclamation on derelict landscapes (such as decommissioned construction sites, abandoned roads) that results in the reduction of visual contrast. Reduce visual contrast of existing cultural modifications through color treatment and/or vegetative screening that reduce visual contrast and enhance overall landscape scenic quality. Use land acquisitions, conservation easements, or public access easements to protect and preserve existing scenic quality, and to increase amount of high scenic quality lands. Re-allocate lands within VRM Class III or IV to a higher level of protection for areas that are visually intact with no human modifications and that have VRI values that are equal to or greater in value than those of the impacted lands in the SEZ.

⁵ Impacts on visual resources from solar development at the Escalante Valley SEZ were found to possibly warrant compensatory mitigation. Visual impacts from development at the Milford Flats and Wah Wah Valley SEZs were not found to warrant compensatory mitigation.