

## ATTACHMENTS

## ATTACHMENT A.1

Table of Past, Present, and Reasonably Foreseeable Future Actions with  
Potential for Cumulative Impacts when Combined with the Project

ATTACHMENT A.1

[Completed table to be provided in subsequent submittal]

Recent, Current, or Proposed Actions That May Cumulatively Affect Resources

Project	County	Description	Total Acres	Status	Location Relative to Project	Resources Affected
<b>Coos Bay Frontal Pacific Ocean Watershed</b>						
Principle Power Windfloat Pacific Demonstration Project	Coos	Principle Power proposed to deploy five floating platforms that could support wind turbines capable of generating a total of up to 30 MW. The platforms would be located in deep water in the Pacific Ocean about 15 miles offshore of Coos Bay, Oregon.	N/A	2013-2016 (project abandoned)		

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Recent, Current, or Proposed Actions That May Cumulatively Affect Resources

Project	County	Description	Total Acres	Status	Location Relative to Project	Resources Affected
Port - Coos Bay Railroad Bridge Rehabilitation, Port of Coos Bay	Coos	In February 2005, the Port completed Phase One of its rehabilitation of the railroad bridge over Coos Bay. The Port has applied for \$12.7 million in Tiger III transportation grant funding for Phase Two of the project. Phase Two would consist of additional structural steel repair and replacement, application of a protective coating, and other work as needed. The Port realigned portions of the Trans-Pacific Parkway on the North Spit during the planning and engineering for the North Spit Rail Spur. Construction was completed in 2010. In 2014, load ratings for the three swing span bridges were completed, and in 2015 the ratings for the additional steel structures were completed. The Port of Coos Bay plans to get the needed \$14 million from Federally funded grants to complete the project.	N/A	2005-2017		
Port - Trans-Pacific Parkway Realignment, Port of Coos Bay	Coos	The Port realigned portions of the Trans-Pacific Parkway on the North Spit during the planning and engineering for the North Spit Rail Spur. Construction was completed in 2010.	3	Completed in 2010.		

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Port – North Spit Barge Slip at Southport, Port of Coos Bay	Coos	The Port partnered with Southport Forest Products to develop a multimodal barge facility with access to the North Spit Spur Railroad Line and the Trans-Pacific Parkway, and the privately owned barge slip is now in use for intermodal cargo movements, and can handle ocean going barges able to move inbound logs, outboard wood chips, and a variety of break bulk general cargo.	1	2007-2012. Completed.		
Port - Charleston Marina Master Plan and Improvements	Coos	The Port completed an interbasin restroom; 2,400 lineal feet of curbing, sidewalks, landscaping, lighting, and storm drains to Boat Basin Road; constructed a paddlecraft launch site near the entrance to South Slough; placed utilities underground at the Charleston Shipyard; constructed a new fish cleaning station near the Charleston Marina boat launch; and partly completed paving, parking, sidewalk, curbing, and other enhancements around the Oregon Institute of Marine Biology's interpretive center. Master plan updated in 2013.	1.	2007-2014. Completed.		

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Port – Maintenance Dredging, Port of Coos Bay	Coos	The Port is currently seeking Department of Army authorization to conduct maintenance dredging in and around the Charleston marina, shipyard, and deep water fleet mooring area as well as at 18 independent terminal locations in the Coos Bay estuary. Port completed this work and removed high spots within the marina and shipyard to keep the appropriate water depth throughout the area.	31	Ongoing		
Port – Channel Modification, Port of Coos Bay	Coos	In 2007, the Port received authorization from the US Army Corp of Engineers (USACE) to pursue studies necessary to determine whether or not a channel modification project should be recommended to the U.S. Congress for funding. In 2014, Jordan Cove Energy Project agreed to help pay for project. The Port of Coos Bay is now working with the USACE to complete a project that would both deepen and widen the existing channel.	33	2007-2022. Currently in permitting stage		

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USACE Coos Bay Jetties Rehabilitation Project	Coos	USACE Civil Works is currently investigating several repair design alternatives with the primary goal of extending the functional life of the north and south jetties and maintaining deep-draft navigation through the Coos Bay navigation channel entrance.	120	2015 to 2025		
Confederated Tribes of Coos, Lower Umpqua & Siuslaw Indians (CTCLUSI) - Museum	Coos	Planning for a village at Hollering Place, a 20-30,000 square foot hotel, convention center, and spa bordering Hollering Place Wayside in the city of Coos Bay.	1	2016-2016		
Confederated Tribes of Coos, Lower Umpqua & Siuslaw Indians (CTCLUSI) — Tribal Gaming Facility	Coos	Casino Approximately (10,000 sq. ft.) at Ocean Grove Blvd, Coos Bay. Completed May 2015, final size is 15,000 square feet.	1	2014		

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Confederated Tribes of Coos, Lower Umpqua & Siuslaw Indians (CTCLUSI) - Coos Head Area Master Plan	Coos	Current program detail includes: Tribal housing (limited number of 1-2 bedroom units); Conference and Retreat Center; Interpretive Museum; trails; roads; and utilities	150	March 2016 kick-off meeting		
City of Coos Bay — Downtown Revitalization Project	Coos	Redevelopment of four downtown buildings and the McAuley Hospital in the city of Coos Bay	1	2015		
City of North Bend – Department of Human Services Building Relocation	Coos	The Department of Human Services building will be relocated from 2025 Sheridan to a property off of Airport Lane.	0.5	In progress		



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USACE Coos Bay Navigation Channel Maintenance Dredging	Coos	The USACE conducts annual dredging of the Coos Bay Federal Navigation channel in four areas: (1) Coos River Entrance Channel (500,000 to 1 million cubic yards [CY] removed annually from river mile [RM] -1 to 1); (2) Coos River Navigation Channel (150,000 to 300,000 CY removed annually from RM 1 to 12); (3) Coos River Navigation Channel (1 million CY removed every 5-7 years from RM 12 to 15); and (4) Charleston Access Channel (50,000 CY removed annually from the Charleston Channel). Dredged material is placed within multiple authorized and approved in-water material placement locations, including both ocean and in-bay sites.	Acres vary by river condition and year.	Ongoing, annually between April and November		
Coos County Airport District — Southwest Oregon Regional Airport Expansion	Coos	In 2013, the Airport District prepared an update to its Airport Master Plan. The Master Plan calls for the extension of Runway 4-22 by an additional 400 feet, sometime in the near future. 30,000 square-foot hangar built in 2014.	1	2014-2019		

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Ocean Grove Housing Development, Coos Bay	Coos	In 2013, Ocean Grove Development Group broke ground for its residential subdivision that over the next several years could include about 634 houses in the city of Coos Bay.	72	2013-unknown		
BLM — Catching Creek Conversion Timber Sale	Coos	Hardwood conversion CI 0.4 mile temporary road construction 1.8 miles renovation. Protest period runs from 03/30/2017-04/14/2017, Sale date 04/28/2017	61 (24 RR d/) 1 5	2017		
BLM — Wilson Creek 4 Timber Sale	Coos	Stand density management Hardwood conversion 1.0 mile temporary road construction 1.9 miles renovation	138 (34 RR d/) 119 (84 RR d/) 3 5	2018		
BLM — Whistle Stop Timber Sale	Coos	Stand density management Hardwood conversion 0.2 mile temporary road construction 0.6 mile renovation	75 (31 RR d/) 96 (45 RR d/) <1	Sold April 2016		
BLM — Other CT Timber Sales	Coos	Commercial Thinning Density Management Thinning	19 (3 RR d/)	2016		

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Project	County	Description	Total Acres	Status	Location Relative to Project	Resources Affected
BLM — Whiskey Train Timber Sale	Coos	Stand density management 0.2 mile new construction 0.2 mile of improvement 0.7 mile of renovation	85 (22 RR d/) 1 1 2	Ongoing (Sold 2013).		
BLM — Pathfinder Timber Sale	Coos	Stand density management 0.1 mile new construction 0.1 mile of improvement 0.1 mile of renovation	42 (34 RR d/) 1 1 1	Ongoing (Sold 2013).		
<b>Coquille (Middle Main) Watershed</b>						
BLM – Calloway Creek Timber Sale	Coos	Stand density management Hardwood conversion 2.2 miles temporary road construction 1.1 miles road improvement, and 1.7 miles renovation	265 (110 RR d/) 127 (56 RR d/) 6 7	2018		
BLM – Whistle Stop Conversion Timber Sale	Coos	Hardwood conversion 0.2 mile road renovation	2 (1 RR d/) <1	Sold April 2016		

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BLM — Hungry Mountain Timber Sale	Coos	Hardwood conversion 1.5 miles temporary road construction Stand density management (2 acres are within the pipeline ROW; 1 of which is in RR)	178 (77 RR d/) 57 (26) 4	2018		
BLM — West Cunningham Timber Sale	Coos	Stand density management (2 acres are within the pipeline ROW; 1 of which is in RR) Hardwood conversion.	222 (66 RR d/) 67 (34 RR d/)	Sale date July 2017		
BLM — Wilson Creek 4 Timber Sale	Coos	Stand density management Hardwood conversion 0.2 mile temporary road construction 0.6 mile renovation	69 (20 RR d/) 4 <1 2	2017		
BLM- Other CT Timber Sales	Coos	Commercial Thinning Density Management Thinning	19 3 RR	2016		

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Project	County	Description	Total Acres	Status	Location Relative to Project	Resources Affected
<b>North Fork Coquille River Watershed</b>						
BLM — Manual Maintenance	Coos	Brush and hardwood control of young stands (<11 years old)	36 (1 RR d/)	Unknown		
BLM — Cloud 19 CT Timber Sale	Coos	Stand density management 0.1 mile temporary road construction 0.3 mile renovation	180 (105 RR d/) <1 <1	Sold October 2015		
BLM — Hungry Mountain Timber Sale	Coos	Sand density management Hardwood conversion including 0.5 mile temporary road construction 1.9 miles renovation	37 (10 RR d/) 38 (17 RR d/) 1 5	2018		
BLM — Iron Monkey CT Timber Sale	Coos	Stand density management (96 are within the pipeline ROW, 5 of which are in Riparian Reserve)	173 (100 RR d/)	Ongoing (Sold 2014)		
BLM — North Fork 25 Timber Sale	Coos	223 acres of stand density management, including 50 acres in Riparian Reserve (9 acres of the 223 are within the pipeline ROW, 1 of which is in Riparian Reserve) 0.7 mile temporary road construction (0.2 of which is in the pipeline ROW) 0.2 mile renovation (0.1 of which is in the pipeline ROW)	223 (50 RR d/) 2	Ongoing (Sold 2014)		

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Project	County	Description	Total Acres	Status	Location Relative to Project	Resources Affected
BLM — Steele 23 CT Timber Sale	Coos	Stand density management (7 acres of the 278 are within the pipeline ROW, 2 of which are in Riparian Reserve) 1.2 miles road construction 1.1 miles improvement (0.2 of which are in the pipeline ROW)	278 (118RR d/) 3	Ongoing (Sold 2015)		
BLM — Cloud 19 CT Timber Sale	Coos	Stand density management OA mile temporary road construction 0.5 mile improvement	77 (22 RR d/) <1 1	Sold October 2015		
BLM — Woodward 11 Timber Sale	Coos	Stand density management Hardwood conversion 0.5 mile temporary road construction 1.1 miles improvement, and 3.1 miles renovation	171 (100 RR d/) 75 (18 RR d) 1 11	Sold March 2017		
BLM — North Coquille Junction Timber Sale	Coos	1.5 miles renovation (0.2 of which are in the pipeline ROW) Combined with Big Bend project and sold as Hidden Gem CT	121	Sold January 2017		

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Project	County	Description	Total Acres	Status	Location Relative to Project	Resources Affected
Rock Prairie Timber Sale	Coos	Hardwood conversion 0.2 mile temporary road construction 0.3 mile renovation Analysis included in Lone Pine EA	30 (10 RR d) <1 <1	2016		
BLM — Parkview Timber Sale	Coos	Stand density management Hardwood conversion 0.4 mile temporary road construction 5.4 miles renovation	251 (119 RR d/ 43 (23 RR d/ 1 14	Ongoing (sold 2013)		
BLM — S. Bridge Timber Sale	Coos	Stand density management Hardwood conversion 0.6 mile temporary road construction, 4.1 miles renovation 0.4 mile existing road decommission	322 (100 RR d/ 9 (5 RR d) 2 10 1	Completed (2014)		
BLM — Vaughns Junction Sale	Coos	Stand density management Hardwood conversion 0.1 mile temporary road construction 0.5 mile improvement and 0.5 miles renovation.	109 (71 RR d/ 9 (5 RR d/ <1 3	Completed (2014)		

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Project	County	Description	Total Acres	Status	Location Relative to Project	Resources Affected
BLM — Dora Timber Sale	Coos	Stand density management Hardwood conversion 0.3 mile temporary road construction, 0.1 mile improvement, and 0.5 miles renovation	67 (36 RR d/) 9(6 RR d/) 1 <1	Sold June 2014		
BLM — Hidden Gem Timber Sale	Coos	Stand density management Hardwood conversion (4 acres are in pipeline ROW, 1 acre of which is Riparian Reserve 0.5 mile temporary road construction 2.6 miles renovation (0.2 of which is in the pipeline ROW)	121 (59 RR d/) 44 (26 RR d/) 1 5	Sold January 2017		
BLM — Steele Cherry Timber Sale	Coos	Stand density management Hardwood conversion Analysis included in Lone Pine EA	31 (16 RR d/) 40 (12 RR d/)	Sold June 2016		
BLM — Yankee Timber Sale Yankee Panky CT	Coos	Stand density management Hardwood conversion 0.1 mile temporary road construction and 2.9 miles renovation Analysis included in Lone Pine EA	88 (46 RR df) 68 (39 RR d/) <1 7	Sold April 2016		



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Project	County	Description	Total Acres	Status	Location Relative to Project	Resources Affected
BLM — Honcho Creek Fish Culvert Replacement	Coos	Replace a culvert on Honcho Creek with a fish passage design. EA completed March 2014, and ROD release April 2014.	1 RR	2015		
BLM — ERFO Road repairs	Coos	Repair 2014 storm damage on 2 sites: Middle Creek Rd — repair fill slope (riparian); Blue Ridge - replace culvert (riparian). EA completed March 2014, and ROD release April 2014.	2 RR	2016		
BLM — Steel Trap Density Management Thinning (DM)	Coos	Stand density management Hardwood Conversion 0.81 mile of New Road Construction 4.4 miles of renovation	295 (98 RR) 38 3 10	Ongoing (Sold 2014)		
BLM — Zumwalt CT Commercial thinning	Coos	Stand density management Hardwood Conversion 1.2 miles of New Road Construction 1.6 miles of renovation	202 (4 RR) 18 (6RR) 4 3	Sold November 2015		
BLM — Maintenance Shop CT Commercial thinning	Coos	Stand density management 0.55 mile of New Road Construction 2.85 miles of renovation	34 (51RR) 2 6	Ongoing (Sold 2015)		

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BLM — Johns Creek CT Commercial thinning	Coos	Stand density management 0.47 mile of New Road Construction 5.96 miles of renovation Analysis included in Lone Pine EA	87 (60 RR) 2 13	Sold June 2015		
BLM — 2 Buck Shuck CT Commercial thinning	Coos	Stand density management 0.93 mile of New Road Construction 4.7 miles of renovation	129 (69 RR) 3 10	Ongoing (Sold 2014)		
BLM — Hidden Gem CT Commercial thinning	Coos	Stand density management Hardwood Conversion 1.2 miles of New Road Construction 6.3 miles of renovation	121 (100 RR) 43 (21 RR) 4 14	Sold January 2017		
BLM — Wimer CT Commercial thinning	Coos	Stand density management 0.29 mile of New Road Construction 2.4 miles of renovation Decision Rationale posted October 2015	34 (45 RR) 1 5	2017		
BLM — Llewellyn CT Commercial thinning	Coos	Stand density management Hardwood Conversion 0.97 mile of New Road Construction 3.12 miles of renovation Analysis included in Lone Pine EA	72 (33 RR) 69 (30 RR) 4 7	2017		

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BLM — Other CT TMther Sales (TS were analyzed in the Lone Pine EA)	Coos	Stand density management 0.56 mile of New Road Construction 4.6 miles of renovation	98 (8 RR) 2 10	Planning within 5 years		
BLM — Whiskey Train Timber Sale	Coos	Stand density management 0.1 mile new construction 0.1 mile of improvement 0.1 mile of renovation	42 (34 RR) 1 1 1	Ongoing (Sold 2013)		
BLM — Pathfinder Timber Sale	Coos	Stand density management 8.9 miles of new construction 1.0 mile of improvement	178 (82 RR) 23 3	Ongoing (Sold 2014)		
BLM — Thunderbolt Timber Sale	Coos	Stand density management 0.9 mile of new construction 3.0 miles of renovation	211 (91 RR) 2 8	Ongoing (Sold 2013)		
BLM — Blue 35 Timber Sale	Coos	Stand density management 1.4 miles of new construction 4.3 miles of renovation	261 (102 RR) 4 11	Ongoing (Sold 2013)		
<b>East Fork Coquille Watershed</b>						

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BLM — Scattered Skeeter Density Management Thinning	Coos	Thin mid-seral forest in LSR and Riparian Reserves, includes 52 acres of alder conversion 1.1 miles of temporary new road construction 0.2 mile of road improvement, 24.4 miles of road renovation 11.3 miles of road decommissioning.	568 (113 RR d/) 3 63 28	Completed		
BLM — Broken Wagon Density Management Thinning	Coos	Thin mid-seral forest in LSR and Riparian Reserves (includes 126 acres of alder conversion in LSR and Riparian Reserves) 1.3 miles of temporary new road construction 0.1 mile road improvement, 20.6 miles road renovation 3.1 miles of road decommissioning.	178 3 18 8	Completed (2011)		
BLM — Crosby Timber Sale	Coos	Stand density management Hardwood conversion 1.4 miles temporary road construction and 1.8 miles renovation	226 (90 RR d/) 25 (5 RR d/) 8	Ongoing (Sold 2014)		
BLM — Steele Cherry Timber Sale	Coos	Stand density management Hardwood conversion	159 (80 RR d/) 28 (17 RR d/)	Sold June 2016		

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BLM — Yankee Timber Sale Yankee Panky Timber Sale	Coos	Stand density management Hardwood conversion 1.5 miles temporary road construction, 0.6 miles improvement, and 6.7 miles renovation. Analysis included in Lone Pine EA	260 (130 RR d/ 64 (30 RR d/ 22	Sold April 2016		
BLM — East Cherry Timber Sale	Coos	Hardwood Conversion	64 (20 RR d/)	Ongoing (sold in 2014)		
BLM — Wagon Road Pilot Timber Sale	Coos	Regeneration harvest Stand density management in Riparian Reserve Hardwood conversion in Riparian Reserves 1.1 miles temporary road construction 1.1 miles improvement, and 2.9 miles renovation.	96 5 9 3 10	Ongoing (sold in 2012)		
BLM — ERFO Road repairs	Coos	repair 2014 storm damage on 2 sites: W. Fk Brummet — repair fill slope (riparian); Weaver Sitkum - repair fill slope, replace two culverts (riparian); EA completed March 2014, and ROD release April 2014.	2 RR	2016		

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Project	County	Description	Total Acres	Status	Location Relative to Project	Resources Affected
BLM — Weed Treatment	Coos	Herbicide treatment of roadside noxious weeds (55 acres on BLM, 3 of which are in the pipeline ROW, 57 on private lands)	112	Unknown		
BLM — Steel Trap DM Density Management Thinning	Coos	Stand density management 0.43 mile of renovation	24 (4 RR) 2	Sold (2014)		
BLM — Weed Treatment	Coos	Herbicide treatment of roadside noxious weeds (132 acres on BLM land, 3 of which are in the pipeline right-of-way, 39 acres on private lands)	171	Unknown		
BLM — Suicide Bar Commercial Thinning	Coos	Thinning; Temporary Road Construction; Road Renovation, Improvement and Maintenance. Proposed sale date of September 16, 2016	327 acres	2011-2016		
BLM — Brownstone CT Commercial thinning	Coos	Stand density management 1.3 miles of New Road Construction 9.4 miles of renovation	231 (112 RR) 5 21	Sold (2014)		

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BLM — My Frona CT Commercial thinning (Was Frona Flats CT)	Coos	Stand density management 1.09 miles of New Road Construction 4.65 miles of renovation	150 (23 RR) 4 10	Ongoing (Sold 2014)		
BLM — Weekly CT Commercial thinning	Coos	Stand density management 0.16 mile of New Road Construction 4.85 miles of renovation	86 (95 RR) 1 11	Ongoing (Sold 2014)		
BLM — Steel Cherry CT Commercial thinning	Coos	Stand density management Hardwood Conversion 0.19 mile of New Road Construction 6.8 miles of renovation	97 (70 RR) 26 (23 RR) 1 15	2016		
<b>Middle Fork Coquille Watershed</b>						
BLM — Bear Creek Campground Decommission	Coos/ Douglas	Decommission previously closed campground adjacent to the Middle Fork Coquille River.	2 RR	2015		
BLM — Manual Maintenance	Coos/ Douglas	Brush and hardwood control (stands <11 yrs old); 3 acres of which are within the pipeline ROW	65	Unknown		

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BLM —Weaver Tie Timber Sale	Coos/ Douglas	Stand density management Hardwood conversion 0.2 mile temporary road construction 0.3 mile renovation	27 (7RR d/ 43 (21 RR d/ <1 <1	Sold February 2016		
BLM — Weed Treatment	Coos/ Douglas	Herbicide treatment of roadside noxious weeds (132 acres on BLM land, 3 of which are in the pipeline right-of-way, 39 acres on private lands)	171	Unknown		
BLM — Suicide Bar Commercial Thinning	Coos/ Douglas	Thinning: Temporary Road Construction; Road Renovation, Improvement and Maintenance.	253 Acres	2011-2016		
BLM — ERFO Road repairs	Coos/ Douglas	Repair 2014 storm damage on 3 sites: Camas weaver Tie — repair fill slope; Lower Signal Tree - replace culvert (riparian); Big Creek — repair fill slope (riparian)	2 RR	2016		
<b>Olalla Creek-Lookingglass Watershed</b>						
BLM — Suicide Bar Commercial Thinning	Douglas	Thinning; Temporary Road Construction; Road Renovation, Improvement and Maintenance	70 Acres	Unknown		



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<b>Clark Branch-South Umpqua River Watershed</b>						
No identified projects	N/A					
<b>Lower Cow Creek Watershed</b>						
No identified projects	N/A					
<b>Myrtle Creek Watershed</b>						
No identified projects	N/A					
<b>Days Creek-South Umpqua River Watershed</b>						
No identified projects	N/A					
<b>Deer Creek South Umpqua River Watershed</b>						
Taco Bell	Douglas	Taco Bell restaurant and a minimum of 27 parking spaces at 200 Grant Smith Road.	2	2017		

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Grange Road Development	Douglas	46-lot phased subdivision; 24-lot Phase 1 is final, approval date for Phase 2 is August 2019	10	2017-2019		
<b>Lower North Umpqua River Watershed</b>						
No identified projects	N/A					
<b>Elk Creek Watershed</b>						
Forest Service — Noxious Weed Treatment	Douglas	50 acres per year. Hand pulling and cutting.	50/year	Ongoing		
Forest Service – Livestock Grazing	Douglas	Cattle grazing	9,963	Ongoing		
Forest Service—Tiller Aquatic Restoration Project	Douglas	2 culvert replacements, 8 miles instream habitat improvement, 5 sump maintenance sites, Drew Lake Habitat Improvement	N/A	Ongoing		

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Forest Service—Elk Creek Watershed Restoration Project	Douglas	Commercial Thinning Non-commercial thinning Activity fuels treatment Shed fuel breaks Prescribed burning Temporary Road construction/removal Road removal 22 Culvert replacements	3,629 551 4,305 513 3,176 9 9.5 N/A	Expect implementation to begin in 2018 and project to continue through 2023		
Anticipated Clear Cutting on Private Land	Douglas	Timber harvest	150	Unknown		
<b>Upper Cow Creek Watershed</b>						
Forest Service—Livestock Grazing	Douglas/ Jackson	Grazing	8,250	Ongoing		
Anticipated Clear Cutting on Private Land	Douglas/ Jackson	Timber Harvest	270	Unknown		
Forest Service – Tiller Aquatic Restoration Project	Douglas/ Jackson	1 culvert replacement	N/A	Expect implementation to begin in 2019		

<b>ATTACHMENT A.1</b>						
[Completed table to be provided in subsequent submittal]						
<b>Recent, Current, or Proposed Actions That May Cumulatively Affect Resources</b>						
<b>Project</b>	<b>County</b>	<b>Description</b>	<b>Total Acres</b>	<b>Status</b>	<b>Location Relative to Project</b>	<b>Resources Affected</b>
Cow Creek Fuel Break Project	Douglas/Jackson	Non-commercial shaded fuel break	600	2017-2018		
<b>Trail Creek Watershed</b>						
Forest Service-Cattle Grazing	Jackson	Grazing	4,230	Ongoing		
BLM — Tiller-Trail Highway "Realignment Project (BLM lands)"	Jackson	Highway realignment	7	Implemented in 2014		
BLM — Proposed Trail Creek Forest Management	Jackson	Restoration thinning Riparian thinning Hazardous fuels treatment Precommercial thinning 8 pump chances restored, block 4 roads, replace 1 culvert "decommission 0.5 mile of road, stream restoration on 0.5 miles"	336 13 414 263 N/A 1 N/A	Implementation in 2015		

<b>ATTACHMENT A.1</b>						
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<b>Recent, Current, or Proposed Actions That May Cumulatively Affect Resources</b>						
<b>Project</b>	<b>County</b>	<b>Description</b>	<b>Total Acres</b>	<b>Status</b>	<b>Location Relative to Project</b>	<b>Resources Affected</b>
BLM — Proposed Trail Creek Forest Management	Jackson	Restoration thinning, Riparian thinning, Hazardous fuels treatment, Meadow restoration, Small diameter thinning, 6 pump chances restored," Roadside firewood cutting, 0.8 mile of temporary road construction."	714 75 1,075 282 50 N/A 259 2	Implementation in 2015		
BLM — Proposed Trail Creek Forest Management	Jackson	Restoration thinning, Hazardous fuels treatment, 2 pump chances restored.	20 1,044 N/A	Implementation in 2015		
BLM — Mouse Trail Timber Sale	Jackson	Restoration thinning, Pre-commercial thinning	1,000 500	Sold 08/28/2014		
<b>Shady Cover-Rogue River Watershed</b>						
No identified projects	N/A					
<b>Gold-Hill Rogue River Watershed</b>						

ATTACHMENT A.1

[Completed table to be provided in subsequent submittal]

Recent, Current, or Proposed Actions That May Cumulatively Affect Resources

Project	County	Description	Total Acres	Status	Location Relative to Project	Resources Affected
Rogue River Drive Estates Subdivision	Jackson	Rogue River Drive Estates, LLC and Rogue Oak, LLC have proposed a 5-Lot residential subdivision which will include the construction of a private road.	Southwest corner of the Dry Creek Road and Rogue River Drive intersection immediately west of 3095 Rogue River Drive.	Ongoing		
Saddlebrook Meadows Subdivision, Phase 2	Jackson	Jon Janakes is proposing a 5-Lot residential subdivision which will include the creation of a half street public road	Northeast corner of 29th Street and Antelope Road	Ongoing		
Valley Meadows Estates	Jackson	FB Owen Inc. is proposing a 13-Lot residential subdivision which will include the creation of both a private and a public road	Southwest corner of Avenue G and Atlantic Avenue, White City.	Ongoing		
<b>Big Butte Creek Watershed</b>						
Forest Service-Livestock Grazing	Jackson	Grazing	63,364	Ongoing		

ATTACHMENT A.1

[Completed table to be provided in subsequent submittal]

Recent, Current, or Proposed Actions That May Cumulatively Affect Resources

Project	County	Description	Total Acres	Status	Location Relative to Project	Resources Affected
Forest Service – 2009 Rancheria Allotment Management Plan Update	Jackson	TBD	TBD	Expected implementation 10/2009		
<b>Little Butte Creek Watershed</b>						
BLM —2004 Deadwood Complex EA (Allotment Management Plan Update for Five Allotments)	Jackson/ Klamath	Grazing on the South Butte Allotment Grazing on the Conde Allotment Grazing on the Deadwood Allotment	25,700 3,300 18,300	Unknown		
Forest Service — 2009 Fish Lake Management Plan Update	Jackson/ Klamath	Grazing on the Fish Lake Allotment	7,500	Expected implementation 10/2009		
Forest Service — 2013 Big Elk Cinder Pit CE	Jackson/ Klamath	Excavation of cinders from an existing cinder quarry DM released 01/13/2014	5	2013-2024		

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[Completed table to be provided in subsequent submittal]						
<b>Recent, Current, or Proposed Actions That May Cumulatively Affect Resources</b>						
<b>Project</b>	<b>County</b>	<b>Description</b>	<b>Total Acres</b>	<b>Status</b>	<b>Location Relative to Project</b>	<b>Resources Affected</b>
BLM — Salty Gardner DNA	Jackson/Klamath	Hazardous fuels treatment	540	DNA released July 2013		
Bieber Salt Forest Management FY 2016, Salty Gardner DNA	Jackson/Klamath	Upland vegetation treatment, Hazardous fuels treatment	756 721	FY 2016		
BLM — Bieber Salt Forest Management FY 2016, Salty Gardner DNA	Jackson/Klamath	Upland vegetation treatment, Hazardous fuels treatment	763 932	FY 2016		
Forest Service-Livestock Grazing	Jackson/Klamath	Grazing	87,620	Ongoing		
<b>Fourmile Creek Watershed</b>						
No identified projects	N/A					
<b>Spencer Creek Watershed</b>						
Forest Service – Livestock Grazing	Klamath	Grazing	30,646	Ongoing		



ATTACHMENT A.1

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Recent, Current, or Proposed Actions That May Cumulatively Affect Resources

Project	County	Description	Total Acres	Status	Location Relative to Project	Resources Affected
Forest Service — Dead Indian Memorial and Clover Creek Roads Noxious Weed Treatment	Klamath	7 miles of weed treatment	70	Ongoing annually		
Forest Service — Lake of the Woods VVUI Project	Klamath	Fuels treatments for private home protection	100	2020		
Forest Service — Road Maintenance	Klamath	Variety of routine road maintenance activities	No Estimate	Unknown		
Forest Service — Roadside Firewood Collection	Klamath	Downed or dead firewood collection w/in 300 feet along open roads	1000	Ongoing		
BLM — Walters Glade Timber Sale and Vegetation Management	Klamath	Commercial and pm-commercial vegetation management	1,271	2016-2020		
BLM — Spencer Creek Thinning	Klamath	Small Diameter thinning	300	2015-2020		

ATTACHMENT A.1

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Recent, Current, or Proposed Actions That May Cumulatively Affect Resources

Project	County	Description	Total Acres	Status	Location Relative to Project	Resources Affected
<b>John C. Boyle Reservoir-Klamath River/Lake Ewauna-Upper Klamath River/Mills Creek-Lost River Watersheds</b>						
BLM — Keno Timber Sale	Klamath	Vegetation Treatment, timber Sales and Small diameter thinning	3,863	2015-2021		
BLM — Swan Lake Hydro Electric Pumped Storage Project	Klamath	Hydro-electric pumped storage project on BLM and Private 500 kV power line Swan Lake Rim to Malin public and private	400 110	2020		
BLM — Bryant Mountain Timber Sale	Klamath	Vegetation Treatment	1,372	2015		
BLM — Bryant Mountain Juniper Treatment	Klamath	Vegetation Treatment Fuels Reduction	1,761	2015		

ATTACHMENT A.1

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Recent, Current, or Proposed Actions That May Cumulatively Affect Resources

Project	County	Description	Total Acres	Status	Location Relative to Project	Resources Affected
PacifiCorp. Klamath Dam Removal	Klamath	In April 2013, the U.S. Department of the Interior released a Final EIS for the Klamath Dam Removal Project. Congressional approval is needed prior to removing the dams, as well as actions by FERC and other regulatory agencies. April 2016, US Department of the Interior, US Department of Commerce, PacifiCorp and the states of Oregon and California signed an agreement following a process created by the Federal Energy Regulatory Commission		2020		
Velocitel Cell Tower	Klamath	Construction of a cell tower on Stukel Mountain, in south-central Oregon.	<1	2015		
Memory Care Center	Klamath	A new 28-unit (38-bed) memory care center on Jade Terrace adjacent to the Sky Lakes Medical Center and the Oregon Institute of Technology. Quail Park Memory Care Residences of Klamath Falls	1	Opened April 2015		

**ATTACHMENT A.1**

[Completed table to be provided in subsequent submittal]

**Recent, Current, or Proposed Actions That May Cumulatively Affect Resources**

<b>Project</b>	<b>County</b>	<b>Description</b>	<b>Total Acres</b>	<b>Status</b>	<b>Location Relative to Project</b>	<b>Resources Affected</b>
FedEx Company	Klamath	New FedEx distribution center and office on the western side of Altamont Drive just west of the Klamath Regional Airport. 12,000 square-foot distribution warehouse	4	Opened September 2014		

**ATTACHMENT B.1**

**Map Set of Past, Present, and Reasonably Foreseeable Future Actions  
with Potential for Cumulative Impacts when Combined with the Project**

**[To be included with a later submittal]**

**ATTACHMENT C.1**

**Correspondence**

**[To be included with a later submittal]**

## ATTACHMENT D.1

Summary of Anticipated Permits, Authorizations, and Consultations for  
Past, Present, and Reasonably Foreseeable Projects within the Cumulative  
Impact Analysis Area

ATTACHMENT D.1

[Completed table to be provided in subsequent submittal]

Summary of Anticipated Permits, Authorizations, and Consultations for Existing/Proposed Projects within the Cumulative Impact Analysis Area

	Federal										State											
	Federal Energy Regulatory Commission (NEPA, Sec 3 of the Natural Gas Act, National Historic Preservation Act)	U.S. Army Corps of Engineers( Sec 10, 404, and 408)	U.S. Coast Guard (Letter of Recommendation and Analysis pursuant to 33 C.F.R. Part 127, Navigation Aids)	U.S. Department of Energy (Order Conditionally Granting Long-Term Multi-contract Authorization to Export Liquefied Natural Gas to Free Trade and Non-Free Trade Agreement Nations)	U.S. Fish and Wildlife Service (ESA Section 7 Consultation, Fish and Wildlife Coordination Act)	National Marine Fisheries Service (ESA Section 7 Consultation, Magnuson-Stevens Fishery Conservation and Management Act, Marine Mammal Protection Act)	USDI Bureau of Land Management (Temporary Use Permit, Right-of-Way Grant, Amendments to Existing Resource Management Plans)	USDA Forest Service (Right-of-Way Letter, Amendments to Existing Forest Plans)	USDI Bureau of Reclamation (Right-of-Way Grant Letter of Concurrence)	Federal Aviation Administration (Determination of No Hazard to Air navigation pursuant to 14 CFR Part 77.)	Federal Communications Commission (Radio License)	Oregon Division of State Parks Office of Historic Preservation (Section 106 Consultation)	Oregon Department of Environmental Quality Permits <sup>a</sup>	Oregon Department of Land Conservation and Development (Coastal Zone Management Act Compliance)	Oregon Department of Water Resources (Permit to appropriate water, Limited License)	Oregon Department of Fish and Wildlife (In-Water Blasting Permit, Fish Passage Approval, Threatened and Endangered Species Consultation)	Oregon Department of Transportation (state Highway Crossing Permit, Railroad Flagging Permit, Oversize Load Permit, Overweight Load Permit, Street Use Permit)	Oregon Department of State Lands (Joint Removal/Fill Permit, Archaeological Permit, Wetland Report Concurrence)	Oregon Department of Forestry (Operate Mechanical Equipment, Written Plan & Alternate Plan)	Oregon Division of State Lands (Removal-Fill Individual Permit, Proprietary easements and licenses for land access and gravel use)	Oregon State Building Codes Division (Building Permits, Temporary Building Permits)	Oregon State Historic Preservation Office (Sec 106 Consultation)
<b>Coos Bay Frontal Pacific Ocean Watershed</b>																						
Principle Power Windfloat Pacific Demonstration Project																						
Port - Coos Bay Railroad Bridge Rehabilitation, Port of Coos Bay																						
Port - Trans-Pacific Parkway Realignment, Port of Coos Bay																						
Port – North Spit Barge Slip at Southport, Port of Coos Bay																						
Port - Charleston Marina Master Plan and Improvements																						
Port – Maintenance Dredging, Port of Coos Bay																						
Port – Channel Modification																						
USACE Coos Bay Jetties Rehabilitation Project																						



ATTACHMENT D.1																						
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Confederated Tribes of Coos, Lower Umpqua & Siuslaw Indians (CTCLUSI) – Museum																						
Confederated Tribes of Coos, Lower Umpqua & Siuslaw Indians (CTCLUSI) — Tribal Gaming Facility																						
Confederated Tribes of Coos, Lower Umpqua & Siuslaw Indians (CTCLUSI) - Coos Head Area Master Plan																						
City of Coos Bay — Downtown Revitalization Project																						
City of North Bend – Department of Human Services Building Relocation																						
USACE Coos Bay Navigation Channel Maintenance Dredging																						
Coos County Airport District — Southwest Oregon Regional Airport Expansion																						

ATTACHMENT D.1

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Summary of Anticipated Permits, Authorizations, and Consultations for Existing/Proposed Projects within the Cumulative Impact Analysis Area

	Federal										State												
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Ocean Grove Housing Development, Coos Bay																							
BLM — Catching Creek Conversion Timber Sale																							
BLM — Wilson Creek 4 Timber Sale																							
BLM — Whistle Stop Timber Sale																							
BLM — Other CT Timber Sales																							
BLM — Whiskey Train Timber Sale																							
BLM — Pathfinder Timber Sale																							
<b>Coquille (Middle Main) Watershed</b>																							
BLM – Calloway Creek Timber Sale																							

ATTACHMENT D.1																						
[Completed table to be provided in subsequent submittal]																						
Summary of Anticipated Permits, Authorizations, and Consultations for Existing/Proposed Projects within the Cumulative Impact Analysis Area																						
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BLM – Whistle Stop Conversion Timber Sale																						
BLM — Hungry Mountain Timber Sale																						
BLM — West Cunningham Timber Sale																						
BLM —Wilson Creek 4 Timber Sale																						
BLM- Other CT Timber Sales																						
<b>North Fork Coquille River Watershed</b>																						
BLM — Manual Maintenance																						
BLM — Cloud 19 CT Timber Sale																						
BLM — Hungry Mountain Timber Sale																						

ATTACHMENT D.1

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Summary of Anticipated Permits, Authorizations, and Consultations for Existing/Proposed Projects within the Cumulative Impact Analysis Area

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BLM — Iron Monkey CT Timber Sale																							
BLM — North Fork 25 Timber Sale																							
BLM — Steele 23 CT Timber Sale																							
BLM — Woodward 11 Timber Sale																							
BLM — North Coquille Junction Timber Sale																							
Rock Prairie Timber Sale																							
BLM — Parkview Timber Sale																							
BLM — S. Bridge Timber Sale																							
BLM — Vaughns Junction Sale																							

ATTACHMENT D.1

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BLM — Dora Timber Sale																							
BLM — Hidden Gem Timber Sale																							
BLM — Steele Cherry Timber Sale																							
BLM — Yankee Timber Sale Yankee Panky CT																							
BLM — Honcho Creek Fish Culvert Replacement																							
BLM — ERFO Road repairs																							
BLM —Steel Trap Density Management Thinning (DM)																							
BLM — Zumwalt CT Commercial thinning																							
BLM —Maintenance Shop CT Commercial thinning																							

ATTACHMENT D.1

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Summary of Anticipated Permits, Authorizations, and Consultations for Existing/Proposed Projects within the Cumulative Impact Analysis Area

	Federal										State												
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BLM — Johns Creek CT Commercial thinning																							
BLM — 2 Buck Shuck CT Commercial thinning																							
BLM — Hidden Gem CT Commercial thinning																							
BLM — Wimer CT Commercial thinning																							
BLM — Llewellyn CT Commercial thinning																							
BLM — Other CT TMther Sales (TS were analyzed in the Lone Pine EA)																							
BLM — Whiskey Train Timber Sale																							
BLM — Pathfinder Timber Sale																							
BLM — Thunderbolt Timber Sale																							

ATTACHMENT D.1

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Summary of Anticipated Permits, Authorizations, and Consultations for Existing/Proposed Projects within the Cumulative Impact Analysis Area

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BLM — Blue 35 Timber Sale																							
<b>East Fork Coquille Watershed</b>																							
BLM — Scattered Skeeter Density Management Thinning																							
BLM — Broken Wagon Density Management Thinning																							
BLM — Crosby Timber Sale																							
BLM — Steele Cherry Timber Sale																							
BLM — Yankee Timber Sale Yankee Panky Timber Sale																							
BLM — East Cherry Timber Sale																							
BLM — Wagon Road Pilot Timber Sale																							

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BLM — ERFO Road repairs																						
BLM — Weed Treatment																						
BLM — Steel Trap DM Density Management Thinning																						
BLM — Weed Treatment																						
BLM — Suicide Bar Commercial Thinning																						
BLM — Brownstone CT Commercial thinning																						
BLM —My Frona CT Commercial thinning (Was Frona Flats CT)																						
BLM — Weekly CT Commercial thinning																						
BLM — Steel Cherry CT Commercial thinning																						



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<b>Middle Fork Coquille Watershed</b>																						
BLM — Bear Creek Campground Decommission																						
BLM — Manual Maintenance																						
BLM —Weaver Tie Timber Sale																						
BLM — Weed Treatment																						
BLM — Suicide Bar Commercial Thinning																						
BLM — ERFO Road repairs																						
<b>Olalla Creek-Lookingglass Watershed</b>																						
BLM — Suicide Bar Commercial Thinning																						

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<b>Clark Branch-South Umpqua River Watershed</b>																						
No identified projects																						
<b>Lower Cow Creek Watershed</b>																						
No identified projects																						
<b>Myrtle Creek Watershed</b>																						
No identified projects																						
<b>Days Creek-South Umpqua River Watershed</b>																						
No identified projects																						
<b>Deer Creek South Umpqua River Watershed</b>																						

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Taco Bell																						
Grange Road Development																						
<b>Lower North Umpqua River Watershed</b>																						
No identified projects																						
<b>Elk Creek Watershed</b>																						
Forest Service — Noxious Weed Treatment																						
Forest Service – Livestock Grazing																						
Forest Service—Tiller Aquatic Restoration Project																						
Forest Service—Elk Creek Watershed Restoration Project																						

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Anticipated Clear Cutting on Private Land																						
<b>Upper Cow Creek Watershed</b>																						
Forest Service—Livestock Grazing																						
Anticipated Clear Cutting on Private Land																						
Forest Service – Tiller Aquatic Restoration Project																						
Cow Creek Fuel Break Project																						
<b>Trail Creek Watershed</b>																						
Forest Service- Cattle Grazing																						
BLM — Tiller-Trail Highway "Realignment Project (BLM lands)"																						

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BLM — Proposed Trail Creek Forest Management																						
BLM — Mouse Trail Timber Sale																						
<b>Shady Cover-Rogue River Watershed</b>																						
No identified projects																						
<b>Gold-Hill Rogue River Watershed</b>																						
Rogue River Drive Estates Subdivision																						
Saddlebrook Meadows Subdivision, Phase 2																						
Valley Meadows Estates																						
<b>Big Butte Creek Watershed</b>																						

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Forest Service – Livestock Grazing																						
Forest Service – 2009 Rancheria Allotment Management Plan Update																						
<b>Little Butte Creek Watershed</b>																						
BLM and Forest Service —2004 Deadwood Complex EA (Allotment Management Plan Update for Five Allotments)																						
Forest Service —2009 Fish Lake Allotment Management Plan Update																						
Forest Service —2013 Big Elk Cinder Pit CE																						
BLM — Salty Gardner DNA																						
Bieber Salt Forest Management FY 2016, Salty Gardner DNA																						

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BLM — Bieber Salt Forest Management FY 2016, Salty Gardner DNA																						
Forest Service-Livestock Grazing																						
<b>Fourmile Creek Watershed</b>																						
No identified projects																						
<b>Spencer Creek Watershed</b>																						
Forest Service – Livestock Grazing																						
Forest Service — Dead Indian Memorial and Clover Creek Roads Noxious Weed Treatment																						
Forest Service — Lake of the Woods VVUI Harvest Project																						

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Forest Service — Road Maintenance																						
Forest Service – Roadside Firewood Collection																						
BLM — Walters Glade Timber Sale and Vegetation Management																						
BLM — Spencer Creek Thinning																						
<b>John C. Boyle Reservoir-Klamath River/ Lake Ewauna-Upper Klamath River/Mills Creek-Lost River Watersheds</b>																						
BLM — Keno Timber Sale																						
BLM — Swan Lake Hydro Electric Pumped Storage Project																						
BLM — Bryant Mountain Timber Sale																						



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BLM — Bryant Mountain Juniper Treatment																						
PacifiCorp. Klamath Dam Removal																						
Velocitel Cell Tower																						
Memory Care Center																						
FedEx Company																						
<sup>a</sup> Including CWA 401, CWA 402 and Air Contaminant Discharge Permit for Compression Facilities, Title V Operating Permit, Construction of Storm Water Discharge Permit, Hydrostatic Test Water Discharge Permit, Operation Storm Water Discharge Permit, Industrial Discharge Permit, Industrial Landfill Closure, RCRA Site Identification Number, Solid Waste Disposal, NPDES Permits																						