		Variance Request F	orm		
	Company:	Avangrid Renewables	Variance:	VAR- 010	
	Address:	1125 NW Couch Street, Suite 700	Request No.:	Rev 0	
AVANGRID RENEWABLES	City, State, Zip :	Portland, OR, 97209	Date Submit:	03/29/2017	
			Date Agency Received:		
			Agency Reference No.:		
Request Prepared by	:	Kamber McAllister (ICF)			
Spread/Location (Milepost):		N/A	Net Acreage Affected:	0.93	
Alignment Sheet/Sta. No.:			Tract No.:	N/A	
Landowner:		BLM	In or Within 50ft of a Wetland:	Yes No	
Current Land Use/Vegetative Cover:		Big Sagebrush Scrub, Disturbed Habitat, Open Coast Live Oak Woodland, Redshank Chaparral, Semi Desert Chaparral, Semi Desert Chaparral, Semi Desert Chaparral, Upper Sonoran Subshrub Scrub		Xes No	
Nearby Features (Wa	iter body, T&E Hab	itat, Wetlands, Noxious Weed):	Waters are included on Figure 3		
Area, Residence, Cult	ural Resource Site	(distance, etc.):			
Variance Level:	Level 1	Level 2 Level 3 (To Be Ass	igned by Designated Representativ	re)	
Variance From: Permit Plan/Procedure Specification Drawing Mitigation Measure Other					
Detailed Descriptio	n of Variance:	Attachments X Yes	No Photos?	Yes No	

Variance 10 (VAR-010) includes additional areas needed for constructability and safety associated with travel along McCain Valley Road near the Lark Canyon Campground and OHV staging area near and within existing and new environmentally sensitive areas (Attachment A, Figures 1 and 2).

A new ESA was discovered on February 21, 2017. At the time of discovery of the work to widen McCain Valley road near this resource was halted and an ESA was established. To avoid impacting this ESA, the widening of McCain Valley Road needs to be shifted to the south. Additionally, an existing ESA was enlarged, extending north along McCain Valley Road on February 15, 2017. At the time of discovery, work in that area was halted and the expanded ESA was established. Since the discovery of the expansion, the area within the ESA has been re-evaluated by engineering and it has been determined that the road surface needs to be widened to 20' and associated construction disturbance limits established.

Shifting of McCain Valley Road impacts between stations (Site 1):

VAR-010 shifts the permitted disturbance to McCain Valley Road south between stations to completely avoid a new ESA discovered on February 21, 2017 (Figure 2). The current approved plan included widening the road surface width to 20' in this location, utilizing additional space on either side of the road for the widening (see IFC drawings issued 11.11.16 page 21). In addition to the road, the area also contains a culvert with a jurisdictional waterway. The re-alignment shifts the culvert further south than what is depicted in the approved engineering drawings. However, the shifted alignment limits the impacts to the jurisdictional waters within USACE, CDFW, and CSWRCB permit authorizations to that which was already permitted; thus no permit amendment will be sought from these agencies. The culvert extension is proposed on the south side of the road only, thus causing a new impact to a previously known ESA at the south edge of the permitted limits of disturbance. This would result in approximately 18,998 SF (0.436 acres) of additional impact to the project with approximately 89SF (0.002 acres) of impact within the existing ESA. This is depicted on the confidential mapset submitted as a supplement to this variance.

Widening McCain Valley Road between stations (Site 2):

VAR-010 widens McCain Valley road to a minimum surface width of 20' throughout the project. Due to the slope of the adjacent land, and need to address runoff drainage through the area, additional earthwork beyond the road surface will be required to accommodate a 20' stable driving surface and associated clearing for construction and delivery vehicles (Figure 2). Although the clearing width varies in this ESA, at its widest location the width of clearing is approximately 46'. The average width of clearing through this ESA is approximately 42'. The widening of McCain Valley Road in this ESA is approximately 9,495 SF (0.218 acres) and the associated widening outside of this ESA is approximately 11,913 SF (0.274 acres).

For turbine tower sections, the widest trailer is 10' from outside of wheel to outside of wheel. In addition, some of the components extend wider than the trailer with the widest component, the base tower section, being 15' wide. Trucks carrying blades will be approximately 145' in length with an additional 36' blade overhang. These represent the largest dimensions the roadways will need to accommodate, but are subject to change by the transport carriers as their exact fleet equipment have not been finalized at this time.

The re-design in this area has tried to balance cut and fill on both sides of the road under the assumption that the probability of finding new cultural remains directly adjacent to either side of the road is less than shifting widening impacts all to one side.

Variance Justification:						
VAR-010 is required to complete construred actions in area disturbance while bala found to be unviable due to large impacts	ancing economic viability and cons	tructability. Other engineering option				
Shifting of McCain Valley Road impacts b At this location, jurisdictional waters run The approved plan included a culvert ext located ESA to the north of the road pres from the steep slope to the east and enter throughout this location. Because of the road to the south and maintain the function	through one existing and one new ension to the north side of the roa ented a greater need for avoidance ring into a turn at the base, a 20' w need to extend the culvert beyond	d to avoid impacts to a known ESA to than the ESA to the south. To accor ride drivable surface must be constru	o the sout nmodate acted and	th. The safe ve l maint	e newly ehicle tr ained	avel
Widening McCain Valley Road between s Widening to 20 feet in this location is reglarge adjacent rocks, steep up-slopes on turn, and a narrow road surface where thazard that increases the potential for a vision of the steep	uired for constructability and safe the east side of the road, steep dro ne road bisects an existing jurisdict	ty. Within the ESA, there are multip p slopes along the western side of the tional channel with a culvert. These	e road, a features	gradua	ıl right-	hand
During pre-construction engineering, it v issued 11.11.16, page 23 and 24). Upon within the newly enlarged ESA was found McCain Valley Road narrows down at the of the ESA has a 14.5' drivable surface wi safety hazards for vehicles carrying a 15' going uphill.	surveyed inspection, as a result of d to be narrower in several pinch p e existing culvert crossing to a wide dth with a 2:1 down slope on the v	the recent cease of construction action of the recent cease of construction action in the recent locations. For example, in the rethod of 12.5' at station Addition west side and an upslope on the east	vities in the portionally, the side. Both	the are on of t e south th of th	a, the r his ESA nern po lese cre	oad rtion ate
The reverse curves at the south approach widest components (base tower sections adequate clearance, as shown in a cross s Additionally, fill on the west side of the sl roadway will need to be widened to 20', this location to minimize impacts while s pounds will travel along McCain Valley R), and necessitates that close proxisection figure included in the confidence needs to be sufficient to stabil matching the rest of the project. Outil supporting the heavy transport	imity slopes on the east side of the rodential mapset submitted as a suppledize the road. To accommodate the har engineer recommends that a maxit vehicles. Truck/trailer gross vehicles.	oad be cu ement to eavy con mum 2:1	t back this va iponer slope	to prov riance. its, the be built	ide
In addition to safety and constructability portion of the project. Although pull-offs would create congestion, further exasper	are designed just north and south					
For Avangrid Renewables Use Only						
Additional Surveys Required	Surveyed Corr	ridor Description	Ado	ditiona Comp	l Surve leted	ys
Cultural Survey Yes No	The variance is within existing cultural and biological resources survey areas, so additional surveys were not required. Supplemental confidential reporting associated with the cultural ESAs is being submitted separately.			Yes	\boxtimes	No
T & E Survey Yes No				Yes	\boxtimes	No
Report Document Survey:	_					
Sign-Off (as appropriate)	Name (print)	Approval Signature	Condit	ions (s	ee atta	ched)
Avangrid Permit Manager	Kristen Goland	It Holand		Yes	\boxtimes	No
Lead Environmental Inspector	Talia Haley	Jalia Haley		Yes	\boxtimes	No
Designated Biologist	James Hickman	N/A		Yes	\boxtimes	No
Cultural Resource Specialist	Brian Williams	ATTIN WILLIAM		Yes	\boxtimes	No
For BLM Project Manager or Complian						
Variance Approved: Variance De	enied: Date:					

Signature:					
For Compliance Manager and Monitor Use Only					
_	Variance Denied: Date:				
Signature:					
Stipulations:					
Spread:	oread: Variance Request No.:				
	VARIANCE CON	DITIONS			
Name:	Title:	Organization:			
Conditions:					
Name:	Title:	Organization:			
Conditions:					

Name:	Title:	Organization:
Conditions:		