

	A	B	C	D	PAWG Recommendations	F	G	H	I
1	Proposed	PAWG or Task Group / Subcommittee	Recommendation	BLM Decision	Remarks	Status	Cooperators	BLM Funding	Other Funding
2	2005 April	Air Quality	For a South Pass NADP site - need funding FY06+	Yes	State/industry agreement will fund the operation costs for the next 5 years. Work completed by Shoshone NF.	Completed	BLM, FS, Operators	\$22,000	
3	2005 April	Socioeconomic	For a full-time socio-economic coordinator position in Sublette Co.	No		NA	Wyoming, Sublette County, towns, Operators		
4	2005 April and 2006 April	Transportation	For an alternate access to the North end of the Mesa to reduce/eliminate traffic on Tyler Street. This access should be south of Pinedale off of Highway 191. This would alleviate a lot of traffic going through Pinedale and down Tyler street.	Yes		Completed			
5	2005 April and 2006 April	Transportation	For a turn lane off Highway 191 onto the Paradise Road (23-136). WYDOT has contracted for this. (Estimated completion date is Sept. 06.)	No	Not within BLM jurisdiction.	Completed by WYDOT			
6	2005 April and 2006 April	Transportation	For a turn lane off Highway 351 onto the Paradise Road (23-136). This is currently in the process of being implemented by WYDOT (estimated completion Sept. 2006). The purpose of this recommendation is to encourage the BLM to support it as need may be.	No	Not within BLM jurisdiction.	Completed by WYDOT			
7	2005 April and 2006 April	Transportation	For use of the connector road between the Antelope area and the Luman Road on the south end of the Anticline. This would eliminate traffic, especially big heavy trucks, turning onto and off of Highway 191. It is recommended that the BLM support this. Traffic and drilling in this area is increasing.	Discuss	There are two main issues: 1) finding a route that can be built that does not cause conflict with other resources and 2) if the road is connected, will the truck drivers use it? Air quality issues were not addressed in this recommendation.				
8	2005 December	Socioeconomic	For a 10 year drill rig forecast.	Yes	Request letter sent March 2006.	Completed			
9	2005 December	Transportation	For the Transportation Task Group to review traffic trends and issues with producers and operators and consider appropriate methodologies for reducing traffic on the Pinedale Anticline.	Yes	BLM considers that the operators are taking proactive measures to reduce traffic on the Pinedale Anticline, including piping of produced water/condensate and consideration of temporary housing camps. The PAWG could propose a workshop with operators to address traffic planning based on TG recommendations. BMPs are being utilized.	Ongoing			
10	2005 December and 2006 April	Water	For an additional \$21,000 be provided for the surface water data trend analysis	Yes	http://www.sublettecountycd.com/downloads/DataA&IFinalReport2.pdf	Completed		\$21,000	
11	2005 January, August, December	Air Quality	That the BLM supply the 2000-2004 NOx Tracking Report	Yes	This is not just a PAPA requirement. Tracking report includes the whole southwest Wyoming. Draft report provided to PAWG.	Completed	WDEQ		
12	2005 Monitoring Plan	Air Quality	For bulk deposition sampling - need funding FY06+	Yes	Being reviewed by Air Quality Specialist. Agreement in place with ExxonMobil to fund the Hobbs Lake bulk deposition site for the next 3 years. The Black Joe bulk deposition site will be funded the next 5 years by a state/industry agreement.	Completed	BLM, FS, Operators	\$92,000	
13	2005 Monitoring Plan	Air Quality	For CASTNet monitoring - continue funding FY06+	Pending	Being reviewed by Air Quality Specialist.		EPA, NPS		EPA, NPS
14	2005 Monitoring Plan	Air Quality	For a funded BP Meteorological Station	Pending	Being reviewed by Air Quality Specialist. No equipment in place, This will be replaced by the 3 ambient monitoring stations.		Operator		
15	2005 Monitoring Plan	Air Quality	For a funded SO ₂ Monitor	Pending	Being reviewed by Air Quality Specialist. WY DEQ is looking to add a SO ₂ monitor to the South Pass ambient air monitoring site.		WDEQ		
16	2005 Monitoring Plan	Air Quality	For a funded visibility camera in Bridger Wilderness	Yes	Visibility camera installed at Paradise road air station. Shell is purchasing the camera and paying for installation. State/industry agreement will cover operation for 5 years.	Completed			Shell, Wyoming, Operators
17	2005 Monitoring Plan	Air Quality	For an improved aerosol monitor, White Pine - continue existing funding FY06+	Yes			FS		FS

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18	2005 Monitoring Plan	Air Quality	For an improved transmissometer - need funding FY06+	Yes	State/industry agreement will fund the operation costs for the next 5 years.		BLM, FS, Operators	\$25,500	
19	2005 Monitoring Plan	Air Quality	For an activity tracking program	Yes	Intent is to track events, such as fires, flaring events, or other things which could affect air quality monitors. This would allow us to correlate events to odd readings. Purchased radar traffic monitoring system to characterize vehicle type and movement in oil fields. Data collected monthly. First annual report due at end of FY2006. Cooperative project with WYDOT. Some activity tracking being done by TG. Having technical difficulties. Shell and BLM contractors are working on solution.	Completed	BLM, WDEQ		
20	2005 Monitoring Plan	Air Quality	For long-term lake sampling, B-T/Shoshone NFs-continue funding FY06+	Yes			FS		FS
21	2005 Monitoring Plan	Air Quality	For PM2.5 monitoring, Pinedale - continue funding FY06+	Yes	WY DEQ has placed a pm 2.5 monitor at the Middle School.	Completed by V	WDEQ		
22	2005 Monitoring Plan	Air Quality	For public health - Boulder monitoring - continue funding FY06+	Yes	Funded for 5 years.	Ongoing	Shell		
23	2005 Monitoring Plan	Air Quality	For public health - Daniel monitoring - continue funding FY06+	Yes	Funded for 5 years.	Ongoing	WDEQ		
24	2005 Monitoring Plan	Air Quality	For public health - Jonah monitoring - continue funding FY06+	Yes	Funded for 5 years.	Ongoing	EnCana		
25	2005 Monitoring Plan	Air Quality	For WARMS monitoring - continue funding FY06+	Yes	\$61,000 obligated to National Park Service Assistance Agreement for operation and maintenance of 7 station WARMS. Also added \$88,753. Funding for FY07 has been requested.	Completed	BLM		
26	2005 Monitoring Plan	Cultural	For increased heavy equipment operator awareness of cultural resource sites	Yes	Operators in the Anticline are proactive in identifying sites discovered during construction. Approximately 10 projects (4/1 to 6/1/06) have discovered cultural sites and BLM notification and salvage occurred. Positive working relationship with the equipment operators and BLM.	Ongoing		Negligible.	
27	2005 Monitoring Plan	Cultural	For the monitoring of important archeological and historical sites	Yes	Sites are being monitored both by BLM and PAWG TG. BLM liaison will provide verbal information to the PAWG, consistent with laws and regulations, upon request.	Ongoing	BLM, SHPO, OCTA, Sublette County	\$2,000	
28	2005 Monitoring Plan	Cultural	For public education and awareness of artifact collecting rules	BLM Standard	PFO management actively supports public education and it is a high priority. Open Arc. Days completed 6/2,3/06 and Safari Club ongoing. 6 talks to teach the teachers. Pinedale Online.com (PAWG TG) is running numerous public education articles. BLM ran newspaper articles.	Ongoing	BLM, SHPO, BOCES, Operators	\$21,000	
29	2005 Monitoring Plan	Reclamation	For the inventory and evaluation of producing sites per APD/ROD/DR	Yes	Have some industry monitoring plans and working on acquiring the remaining plans needed. Imagery acquired. Report due at end of FY2006. Item 10 of the surface use plan addresses reclamation. Augmented with COAs. Tracking of acreage of reclamation is not resolved, but BLM is working with operators to develop a workable tracking system in GIS.	Ongoing	BLM, WGFD, NRCS, WDEQ, Operators	\$60,000	
30	2005 Monitoring Plan	Reclamation	For the inventory and evaluation of reclamation effectiveness at abandoned sites	Yes	Oil and gas compliance program until the pad is released.	Ongoing			
31	2005 Monitoring Plan	Reclamation	For adequate monitoring of reclaimed sites for long-term success	Yes	Oil and gas compliance program until the pad is released.	Ongoing			
32	2005 Monitoring Plan	Reclamation	For the monitoring of usage of weed-free materials, seed mix/methods, invasive weed mapping/monitoring, establish transects	Yes	Education and information on weeds is being initiated with BLM employees. Five plots established in FY2005. Additional data collected in FY2006. Interim report due at end of FY2006.	In progress.	BLM, O&Gops, Sublette Co Weed & Pest	\$10,000	

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33	2005 Monitoring Plan	Reclamation	For soil/vegetation/habitat evaluation on undisturbed sites	Yes	Trying to match seed mix recommendations to the soils. Approximately 90,000 acres of soils inventory conducted in the Upper Green River Basin in FY 2005. Plans to complete another 100,000 in 2006. Funds obligated to Assistance Agreement with NRCS.	Completed	BLM, WGFD, NRCS, Gov Wildlife Fund, O&Gops		
34	2005 Monitoring Plan	Recreation/VRM	For the monitoring of Key Observation Points (KOPs)	Yes	Established 10 observation points for 360 degree video imaging. Draft Report Due March 2006. Funds obligated to Assistance Agreement with SHPO.	Ongoing.			
35	2005 Monitoring Plan	Recreation/VRM	For public education and awareness	Yes	Eight signs placed in oil and gas field by Spring 2006. Oil and gas operators provided gates and other structures.	Ongoing.			
36	2005 Monitoring Plan	Transportation	For monitoring road traffic (1 test site of eventual proposed 7 sites)	Yes	Purchased radar traffic monitoring system to characterize vehicle type and movement in oil fields. Data collected monthly. However, have not been able to get the data because of modem problems. Shell has hired Sublette Communications to get the issue resolved.	Completed	WGFD, WYDOT	\$17,000	
37	2005 Monitoring Plan	Transportation	For non-energy-related traffic monitoring	No	This is not within BLM's jurisdiction.	NA	BLM, WGFD		
38	2005 Monitoring Plan	Transportation	For road and pipeline mapping/naming/signing	Discuss	What is this mitigating? What would be adequate?		BLM, WYDOT, Operators, Sublette Co	\$2,500	
39	2005 Monitoring Plan	Transportation	For the signing of major roads and erection of speed limit signs	Yes		Completed	BLM, DOTs		
40	2005 Monitoring Plan	Transportation	For tracking produced liquids - amount, method of movement, etc.	Discuss	Not within the authority of BLM to track where it is going. Clarify. What is to be gained by this? BMPs are being utilized.		BLM, WOGCC, O&Gops		
41	2005 Monitoring Plan	Water	For current ground water monitoring to continue FY06+	Yes		Ongoing	operators	\$40,000	\$40,000
42	2005 Monitoring Plan	Water	For current surface water monitoring to continue FY06+	Yes		Ongoing	operators	\$35,000	\$35,000
43	2005 Monitoring Plan	Water	For leakage from pits to be monitored	Discuss	Is this an identified problem?		WDEQ, WOGCC, BLM		
44	2005 Monitoring Plan	Water	For sedimentation in the New Fork River to be monitored	Discuss	Is this not ongoing with the existing monitoring?		WDEQ, BLM		
45	2005 Monitoring Plan	Water	For water and condensate pipeline controls to be monitored	Yes	Monitored and reported.	Completed	WDEQ		
46	2005 Monitoring Plan	Wildlife	For analysis of operator-supported (existing) monitoring data	Yes	ERG contracted to summarize and evaluate 5 years of data from wildlife monitoring projects. Final report was received with suggested modification to mitigation measures and additional monitoring. BLM will provide this information to PAWG at PAWG's request.	Completed	BLM, O&Gops	\$25,000	
47	2005 Monitoring Plan	Wildlife	For continued support for ongoing monitoring & studies	Yes	Big game radio tracking collars purchased for ongoing wildlife monitoring projects. Mesa mule deer study by West (Questar). Pronghorn research by WCS. BLM's role is to manage habitat. We do support monitoring and studies of species. Coordinate closely with G&F.	Completed		\$20,000	
48	2005 Monitoring Plan	Wildlife	For coordination of Wildlife Monitoring studies	Yes	ERG is analyzing the monitoring data. TRC Mariah is conducting annual wildlife surveys for Anticline. 2006 surveys were modified following discussions between operators and BLM.	Completed	All		
49	2005 Monitoring Plan	Wildlife	For habitat quality assessment	Discuss	Continuation of soils inventory and ecological site determination. Approximately 90,000 acres of soil inventory conducted in the Upper Green River Basin in FY2005. Plans to complete another 100,000 acres in 2006. Funds obligated to Assistance Agreement.		BLM, O&Gops, WGFD		

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50	2005 Monitoring Plan	Wildlife	For the monitoring of activity levels on the PAPA	Yes	This is a general statement and there are several monitoring projects ongoing from transportation to wildlife.	Ongoing	BLM, WGFD, O&Gops, Sublette Co Road & Bridge		
51	2005 Monitoring Plan	Wildlife	For the monitoring of predator (mammals and birds) populations	Yes		Ongoing	WGFD, BLM		
52	2005 Monitoring Plan	Wildlife	For the monitoring of winter drilling activity	Yes			WGFD, BLM		
53	2006 April	Cultural	For the continuation of and expansion of volunteer site monitoring program.	Yes		Completed			
54	2006 April	Cultural	For the inclusion of BLM site visit data with volunteer site monitoring dataset.	Discuss	Unclear recommendation. Data may be proprietary and can not be released.				
55	2006 April	Cultural	For installation of surveillance cameras at Wardell Buffalo Trap	NA	Outside of the PAPA. Inside the area of effect.	Completed		\$3,000	
56	2006 April	Cultural	For the development of an educational brochure about human history of Anticline area	No	This is neither monitoring nor mitigation and is not applicable to the charter. BLM will pursue this with partners outside of the PAWG.	NA		\$3,000	
57	2006 April	Cultural	For the stabilization of the Wardell Buffalo Trap to be finished as soon as possible	NA	Not applicable to the charter. Outside of the PAPA. BLM has received \$66,000 for this project.	NA		\$65,000	
58	2006 April	Cultural	For a PFO Ranger	Yes	Approval for a ranger has been given (3/07)	Completed		\$60,000	
59	2006 April	Cultural	For an annual contract to collect and integrate Lander Trail visual monitoring data	Discuss				\$16,500/year	
60	2006 April	Cultural	For a professional education video on the history of the Lander Trail visual monitoring data website to be developed	Discuss	Is this mitigation and monitoring per the charter? 2006 streaming video taken in May 2006. Website update is expected in summer 2006 (wyoshpo.state.wy.us). PFO staff continue to monitor Lander Trail's condition in the Anticline.			\$12,000	
61	2006 April	Cultural	For a Complete Programmatic Agreement discussed in App. E. BLM, SHPO and Operators should develop an MOU to handle cultural resources not covered sufficiently by the new Wyoming Protocol.	Discuss	New Wyoming Protocol coupled with the SEIS makes formal PA unnecessary. Though the PA is not needed because of the good working relationship between BLM and SHPO, now may be a good time to develop the PA. In light of the new Wyoming Protocol, the need for a PA should be evaluated.	Ongoing	BLM, SHPO, Operators		
62	2006 April	Cultural	For database analysis (Class II)	No	SHPO responsibility	NA	SHPO		
63	2006 April	Cultural	For a PowerPoint PAPA educational teacher kit for 4th grades to be created.	NA	Not applicable to the charter.	NA			
64	2006 April	Cultural	For an Antiquities Act celebration and Open Archeology at Museums	NA	Not applicable to the charter.	NA			
65	2006 April	Cultural	For database analysis- targeted advertising for potential graduate research	No	SHPO responsibility		SHPO		
66	2006 April	Cultural	For a targeted advertising for potential guidance or field school to encourage archaeological excavations.	NA	Not applicable to the charter.	NA			
67	2006 April	Cultural	For artifact collection signs installed at major entrances to Mesa	Yes	Signs have arrived. Estimated installation date is July 17, 2009.	Ongoing			
68	2006 April	Cultural	For Operators to educate employees on artifact collection rules.	Yes		Ongoing			
69	2006 April	Cultural	For the education of County Deputies and Game & Fish to look out for artifact collectors.	Discuss	Do they have the authority to do anything if they observe artifact collectors?				
70	2006 April	Cultural	For Spring newspaper articles on artifact collecting laws	Yes		Completed			
71	2006 April	Cultural	That the BLM continue public education outreach.	BLM Standard	PFO management actively supports public education and it is a high priority. Open Arc. Days completed 6/2,3/06 and Safari Club ongoing. 6 talks to teach the teachers. Pinedale Online.com (PAWG TG) is running numerous public education articles. BLM ran newspaper articles.	Ongoing			
72	2006 April	Cultural	For Sam Drucker take position on PAWG TG.	Yes		Completed		\$0	
73	2006 April	Transportation	For alternatives to connect the Boulder South Road (23-106) with the Paradise Road (23-136) should be considered, including no action.	No	BLM would be a minor player in a bridge crossing the New Fork River as far as land base is concerned. This is an operator, Sublette County, private land owner issue, other than ESA issues.	NA			
74	2006 April	Transportation	For the Highway 351 traffic plans be reviewed by WYDOT for safety considerations including shoulder width and sight distance, especially in the Green River and New Fork valleys and at the Paradise Road (23-136) junction.	No	Outside of BLM jurisdiction.	NA			

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75	2006 April	Transportation	For meeting with the BLM and all operators on the PAPA to get an estimate of the drilling, production, and development on the PAPA for the coming year. This should be done to meet the requirement of the ROD that was originally delegated to the TPC (pp. B22)	Yes	This has been implemented with the 2008 ROD Annual Planning Meeting requirement.	Ongoing			
76	2006 April	Transportation	For passing lanes on Highway 191 between Rock Springs and Pinedale to facilitate passing convoys of heavily loaded trucks going to or returning from the PAPA.	No	Not applicable to the charter. This item is within the authority of WYDOT; however, the BLM should support this need at the state level.	NA	WYDOT		
77	2006 April	Transportation	That the BLM ensure that maps for PAPA are kept up to date as new roads, well pads and pipelines are added to the complex or reclaimed.	Yes	BLM is in the process of working with the operators to initiate this.				
78	2006 April	Transportation	For alternative methods of handling produced liquids be examined	Yes		Ongoing			
79	2006 January	Wildlife	For a pilot flyover be used to assess the usefulness of the LIDAR technology for mapping vegetation in the PAPA area.	Discuss	LIDAR is extremely expensive. ARGONNE is working on vegetation mapping. Discussion. Vegetation mapping is being proposed by Shell and Ultra. How would LIDAR technology for mapping vegetation be different/better than what Shell and Ultra have proposed.				
80	2006 January	Wildlife	That the BLM create a GIS-based Habitat Quality Assessment as a baseline for a broader attempt to manage wildlife in the face of development.	Discuss	What exactly is wanted in a GIS-based Habitat Quality Assessment? Will the Shell and Ultra proposal meet the needs of the HQA? ARGONNE vegetation study ongoing, funded by DOE. Questar, per appendix A, is required to map vegetation for leasehold. Shell and Ultra have put in own proposal to continue vegetation mapping for the entire Anticline. Draft proposal was submitted 6/6/06.				
81	2006 January	Wildlife	For the implementation of Adaptive Environmental Management	Discuss	Not sure what this is in reference to.				
82	2006 January	Wildlife	For the maintenance of current numbers-specifically no further decline in wintering deer numbers	Modified	BLM amended PAWG proposal for acceptance. See letter of May 3, 2006 to PAWG Chair.	Completed			
83	2006 January	Wildlife	For the maintenance of current remaining undisturbed habitats useful to deer in winter.	Modified	BLM amended PAWG proposal for acceptance. See letter of May 3, 2006 to PAWG Chair.	Completed			
84	2006 March	Cultural	That the BLM budget time to review 2005 data prior to commencement of the 2006 NRCS field season.	Yes	Soils data has been received from NRCS.	Completed			
85	2006 May and 2005 Air Quality Monitoring Report	Air Quality	For Gypsum Creek NADP site - need funding FY06+	Pending	Being reviewed by Air Quality Specialist. Currently we have an agreement with ExxonMobil to fund the Gypsum Creek NADP site for the next 3 years.		BLM, FS, Operators	\$20,500	
86	2007 February	Cultural	For the exception of a proposed pipeline adjacent to existing pipelines, there should be NO additional surface occupancy under any alternative within 1/4 mile Lander Trail buffer on lands and/or minerals managed by the BLM as originally established in the EIS and ROD.						
87	2007 February	Cultural	For the significant increase in development anticipated in the Lander Trail watershed, the key observation point video/photography project should be continued each year to document the cumulative visual impact to the trail.						
88	2007 February	Cultural	For the programmatic agreement with Shell & Ultra has been successful in mitigating and protecting the Lander Trail. However, it does not reflect the level of development anticipated in the SEIS. This PA may need to be amended and agreements like this are encourage to protect the trail.						
89	2007 February	Cultural	For minimizing and mitigating the adverse effects to unexpected cultural discoveries, the SEIS should require synthesis of existing soils data and known cultural sites to develop predictive models. This same analysis should be done for paleontological resources.						
90	2007 February	Cultural	For significant known cultural/historical sites within 2 miles of new development (i.e. well pads and roads) should be monitored on a regular basis by professionals to document and minimize the potential of indirect impacts and vandalism due to the increased public access.						
91	2007 February	Cultural	For the Pinedale Field Office to acquire its own Ranger to help monitor and enforce federal laws to protect important cultural/historical sites.	Yes	Approval for a PFO ranger has been given (3/07)	Completed			

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92	2007 February	Cultural	For the extensive gas development, the systematic cultural data collected on the anticline probably provides one of the most complete records of prehistoric human presence of any other area in the west. The data and artifacts should be professionally synthesized to establish a picture of prehistoric human presence in the area.						
93	2007 March	Air Quality	That the BLM add language in the ROD to specify that a comprehensive network assessment that will address air quality, AQRV and meteorological monitoring. The assessment will be initiated within 6 months of the signing of the ROD and that the analysis will be completed within 6 months of initiation. The ATG will review the qualifications and independence of the analysis team and peer review team. The ROD should specify the funding mechanism for the implementing the monitoring recommendations from the analysis (ATG suggests industry) and that those recommendations will be implemented within a year of the final assessment.						
94	2007 March	Air Quality	That the BLM add language in the ROD to specify the party responsible for modeling checks and at what time intervals the subsequent checks will be run. Additionally, PAWG recognizes the need to incorporate new information and technology that increases the reliability and accuracy of predictive modeling and sees these improvements as valuable. However, as technology changes, PAWG recommends that at least one model run annually is performed with parameters and settings consistent with the year 2005 model run as a way to directly compare to the future runs. PAWG-ATG is still working on describing how these modeling results will be used in future years comparisons.						
95	2007 March	Air Quality	That the BLM add language in the ROD to specify the party responsible for tracking the emission reductions, how they will track the information, and how they will disseminate the information. A good example of language and level of specificity is the Jonah Infill ROD, Appendix A, Air Quality Item 2.						
96	2007 March	Air Quality	That the BLM add language in the ROD to specify the party responsible for tracking the required mitigation, how they will track the information, and how they will disseminate the information. A good example of language and level of specificity is the Jonah Infill ROD, Appendix A, Air Quality Item 2. While this language is specific to emissions tracking, it clearly lays out the parties involved and their responsibilities. PAWG would also like to see language about how and when this information would be available to outside parties.						
97	2007 March	Transportation	That the BLM maintain a mapping record of the development of the PAPA as the field developed. This record fell badly behind the development. It was partially caught up during the interim period. For this current, more intense development, the BLM needs to establish a format and central repository for operators on the PAPA to submit a record of their survey and as-built data in. As a minimum: a. The data should be in a specified digital format. b. Use a specified set of geographic reference points. c. Be a required part of the drilling approval process.						
98	2008 July	Wildlife	For the continuation of monitoring and data collection. Previous monitoring and data collection is summarized in the ERG report. The ERG report looks at all data collected and analyzed the adequacy of stips, COAs, and other protective measures. It was a PAWG recommendation which BLM approved and implemented. Therese will distribute copies to all PAWG members or put links to the document on the website.	Yes.		Ongoing.			
99	2008 July	Wildlife	For data collected to identify and map core grouse habitat on the PAPA and monitor those areas to verify grouse use and confirm return-use. Through this mapping and monitoring combined with continued data collection, we can learn about cause and effect and find out what is happening inside and outside of core habitat	Yes.	The BLM should soon be issuing a state-wide sage grouse policy which includes mapping. It's in draft form now but we'll pursue it once the final is issued.				

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100	2008 July	Wildlife	For updated lek perimeter mapping yearly or as necessary for all leks on PAPA.	Yes.	WG&F monitors all leks and as those leks change, the perimeters are subsequently mapped. Habitat inventory project: I still need to meet with BLM staff and WG&F. Establish alternate lek buffers: that is part of the new BLM state policy and governor's policy so we should be seeing that shortly.				
101	2008 July	Wildlife	For continued active participation and encourage completion of the PAPA habitat inventory project. Robin Smith qualified this recommendation by saying that the key is BLM participation and that there has been no BLM attendance at recent meetings. Chuck Otto ensured more BLM participation in the future. Pete Guernsey provided a status update on the habitat inventory project. They are currently using existing data at WYGISC to map upland data habitat which will dovetail with the state survey, thus completing the upland map. Next year they will conduct on-the-ground verification of the data. Upland habitat is the primary concern because lowlands are often private property and we cannot utilize or protect it. The purpose of the study is to find the best sites for mitigation and to define the ecological site description or parameters of healthy grouse habitat. The inventory project will wrap-up by late 2009 or early 2010	Pending					
102	2008 July	Wildlife	For the establishment of alternate lek buffers outside of proposed high development areas: 0.6 miles "no surface occupancy" around lek perimeters and within core habitat (once core habitat has been defined) and 4.0 mile breeding and nesting season "controlled surface use" around lek perimeter and within core habitat (once it has been defined). To clarify, those areas not defined as "core habitat" but located within the 0.6 or 4.0 mile buffers would not have restrictions.	NA	This is part of the new BLM state policy and governor's policy so we should be seeing that shortly.				
103	2008 July	Wildlife	For the initiation of a modeling study to determine "source" and "sink" habitats on the PAPA within 6.2 miles of leks. "Source" habitat is defined as habitat that grouse like and do well in. "Sink" habitat is habitat that the grouse like, but do not do well in. The purpose of this study is to define the characteristics of habitat which lead to successful nesting.	Pending					
104	2008 July	Wildlife	For the result of previous recommendation to initiate modeling study to determine "source" and "sink" habitats on the PAPA, propose a strategy to increase protection of "source" habitat.	Pending					
105	2008 July	Wildlife	For the result of previous recommendation to initiate modeling study to determine "source" and "sink" habitats on the PAPA, implement habitat improvement projects to increase sagebrush and understory cover components in "sink" habitat.	Pending					
106	2008 July	Wildlife	For the acquisition of additional data from existing collared grouse to supplement other data to determine all important winter grouse use areas and identify habitat characteristics. Winter habitat can be important depending on the harshness of the winter. The WyG&F is currently working with BLM biologists to use existing data to map winter areas.	NA	This is part of the new BLM state policy and governor's policy so we should be seeing that shortly.				
107	2008 July	Wildlife	For data from previous recommendation to acquire additional data from existing collared grouse be used to define winter concentration areas on the PAPA and apply appropriate protections for those areas.	NA	This is part of the new BLM state policy and governor's policy so we should be seeing that shortly.				
108	2008 July	Wildlife	For proposed grouse habitat improvements, the guidelines presented in Bohne et. al. 2007 are to guide implementation. According to a WyG&F document about habitat improvement, if habitat improvements are not considered and implemented carefully, they can cause adverse effect, thus we need to follow established improvement guidelines.	NA	This is part of the new BLM state policy and governor's policy so we should be seeing that shortly.				
109	2008 October	Water Resources	That the BLM allow a member of the PAWG or the PAWG WRTG to participate in the development of the Interim Groundwater Pollution Prevention Plan		The plan was completed before the participation of a PAWG member could be secured.	Completed			

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110	2008 October	Water Resources	That the BLM develop a user-friendly guide to the water resources in Sublette County, including a report explaining the water well testing scenario in layman's terms for the benefit of the public to be released by the PAWG annually	Pending	This is in the process of being developed by the Water subcommittee.				
111	2008 October	Water Resources	For the installation of new monitoring wells to replace wells closed by State Engineers Office so that data points are not lost		This recommendation did not have consensus of the group but was forwarded to the PAWG after a 4-1 vote. Robin Smith felt that new monitoring wells would not prevent the loss of data points but would only create new data points.				
112	2008 October	Water Resources	That the BLM increase awareness and monitoring by BLM employees of erosion and storm water management issues and requirements for storm water control industrial development						
113	2008 October	Water Resources	For the BLM, if possible, to prohibit use of hydrocarbon-based pipe grease ("pipe-dope") for drilling water wells.						
114	2008 September	Water Resources	That the BLM include aquifer characterization in the Interim Ground Water Pollution Prevention, Monitoring, and Mitigation plan.						
115	2008 September	Water Resources	For a BLM hydrologist or other qualified person to review the drilling logs to let us know about the stratigraphy and areas of permeability in those water wells that have had hydrocarbon detection.						
116	2008 September	Water Resources	For a BLM hydrologist or other qualified person will prepare a water well testing overview to be presented in layman's terms to the WRTG and PAWG. The overview will focus on result patterns of water wells on the Anticline that have had hydrocarbon detections.						
117	2008 September	Wildlife	For directional drilling to include multiple wells from single well pads to reduce surface disturbance.	Yes.		Ongoing.			
118	2008 September	Wildlife	For reducing winter disturbance by limiting public access or unnecessary human activity	Yes.	Ranger and staff are educating, monitoring and enforcing.	Ongoing.			
119	2008 September	Wildlife	For minimizing road numbers and length of new roads.	Yes.	Addressed on a case-by-case basis. We are trying to minimize disturbance.	Ongoing.			
120	2008 September	Wildlife	That the BLM conduct a road analysis to determine need for existing roads/routes	Yes.	This will be covered by our transportation planning.	Ongoing.			
121	2008 September	Wildlife	For removal and reclamation of all unnecessary roads/routes.	Yes.	This will be covered by our transportation planning.	Ongoing.			
122	2008 September	Wildlife	For the imposition of penalties/citations for use of restricted roads/routes.	Yes.	Ranger is educating, monitoring and enforcing.	Ongoing.			
123	2008 September	Wildlife	For the LGS to be used to minimize truck traffic.	Yes.	Expected completion in 2010.	Ongoing.			
124	2008 September	Wildlife	For maintenance of mule deer migration routes and prioritization of these areas for off-site mitigation.	Yes.	PAPO office is pursuing these efforts. They've also been looked at in the RMP and most of these areas have been removed from potential development.				
125	2008 September	Wildlife	For phase or cluster development leaving large contiguous areas free from all human disturbances.	Yes.	That's one of the directions of the RMP and we also have a limitation of no more than four well pads per section.				
126	2008 September	Wildlife	For BLM to continue support for long term pronghorn study.	Yes.	WG&F	Ongoing.			
127	2008 September	Wildlife	For the Pronghorn Study to be used to identify pronghorn migration and preferred habitat during pre-planning phase to ensure disturbance to key habitats are avoided or minimized development.	Yes.	WG&F	Ongoing.			
128	2008 September	Wildlife	That the BLM support the current Univ. of Wyo./WLCI study and implement a PAPA-specific analysis of potential impacts on avian populations due to current and foreseeable development.	Yes.	Will be covered by the potential avian conservation plan.				
129	2008 September	Wildlife	For an Avian Protection Plan be developed in coordination with the FWS, GFD, industry and BLM to provide tools and guidance to industry and BLM on avoidance, minimization and mitigation of impacts from development. This plan may require surveys for sagebrush-obligate songbirds, and where active nesting is found, avoidance of disturbance activities during the nesting season may be deemed necessary to preclude MBTA violation. The Avian Protection Plan should also consider other tools and management that will avoid, minimize or mitigate negative impacts to migratory birds.	Yes.	In a modified form: "conservation plan."				

	A	B	C	D	PAWG Recommendations	F	G	H	I
1	Proposed	PAWG or Task Group / Subcommittee	Recommendation	BLM Decision	Remarks	Status	Cooperators	BLM Funding	Other Funding
130	2009 March	Cultural	That the BLM and Operators to work with willing landowners to consider options for permanent preservation of important segments of the Lander Road on private ground as mitigation for loss of historic setting, feeling, and visual impacts to the historic viewshed as a result of the development of the Pinedale Anticline.	Yes.	This will be incorporated as part of the Lander Trail Programmatic Agreement.				
131	2009 March	Reclamation	For the PFO to add a plan for pipeline reclamation monitoring in addition to the ROD requirement for a reclamation monitoring plan for lease/pad reclamation.	Discuss					
132	2009 March	Socioeconomic	For the PFO to send a request to all Sublette County oil and gas operators asking that they provide 10-year 'rolling' drill-rig forecasts in the designated format. Rig forecasts by month for the first two years, annual estimates for the next eight years. The request letter should be sent to operators every year in roughly December-January.	Yes.	First letter sent to operators June 5, 2009. Downloadable spreadsheet posted on web. Roy Allen to compile results.	Completed		Negligible.	
133	2009 March	Socioeconomic	For the PFO to aggregate the the individual company forecasts and provide the aggregated spreadsheet to the SETG before/in conjunction with the PAPA Operators' APM each February.	Yes.	Roy Allen will compile.	Ongoing		Negligible.	
134	2009 March	Socioeconomic	For the most current aggregated forecast spreadsheet be posted on the PAWG website.	Yes.	This will be done by Shelley Gregory once Roy Allen compiles.	Ongoing		Negligible.	
135	2009 March	Water Resources	For the SCCD to continue groundwater monitoring as conducted in previous sampling years following the Sampling Analysis Plan with minor revisions noted in the 3.17.09 WRTG meeting minutes.	Discuss				None.	
136	2009 March	Water Resources	For the SCCD to revise its Groundwater Monitoring Manual and Protocol to incorporate the minor revisions as discussed in the 3.17.09 WRTG meeting minutes.	Discuss				None.	
137	2009 March	Water Resources	For the SCCD to add a new surface water sampling site, NF80, on the New Fork River, upstream of all PAPA oil and gas development activities.	Yes.					
138	2009 May	Cultural	For significant cultural/historical sites be identified and monitored on a systematic basis by professionals (BLM staff) to document the potential of indirect impact and vandalism.	Refine	There are more than 2500 significant cultural/historical sites as designated by the Pinedale Field Office. As time and personnel allow, the BLM will try to identify the more visible/potentially impacted sites for further monitoring.				
139	2009 May	Cultural	For side branches of the Lander Trail through affected environment (Sand Springs to North Piney Creek) should be studied, inventoried, and documented to evaluate historical significance as mitigation for visual impacts to the setting from the Paradise 230kV Transmission Project.	Refine	This can be considered as a primary point for mitigation but is beyond the sole jurisdiction of the BLM. A Programmatic Agreement or Memorandum of Agreement with the State Historic Preservation Office may be necessary to designate these side branches as part of the Lander Trail. Other entities, such as the Advisory Council on Historic Preservation, Oregon-California Trails Association, and Alliance for Historic Wyoming, will also be involved.				
140	2009 May	Transportation	For Corten steel to be used as the steel pole type for the Paradise 230kV Transmission Project.	Pre-decisional				None.	
141	2009 May	Transportation	For power line routing of the Paradise 230kV Transmission Project to follow Alternative 3, segment 1B for Segment 1; Alternative 1 for Segment 2; Alternative 3 for Segments 3, 4, 5; Alternative 3, routes 6A and 6B for Segment 6, and Segment 7 as is.	Pre-decisional				None.	
142	2009 September	Cultural	That the BLM adopt the Cultural Resource Site Monitoring Project.	Yes.	Cultural staff will implement.	Ongoing.			
143	2009 November	PAWG	That the BLM investigate and address the question of two chemicals that meet the three criteria to prove the presence or absence of frac fluid.						
144	2009 November	PAWG	That the BLM require chlorides and fluorides be added to the groundwater sampling results.						
145	2009 November	PAWG	That the BLM allow a change in the groundwater sampling/monitoring process to add sampling for naphthalene and 2-methyl-naphthalene when BTEX is sampled.						
146	2009 November	PAWG	That the BLM address erosion and sedimentation practices/soil stabilization controls on BLM access road to the boat ramp on the New Fork River between sampling sites NF19 and NF30.						
147	2009 November	PAWG	That the BLM notify the Water Resource Task Group when any report/deliverables regarding WRTG projects are placed on BLM website and do the same with all other task groups.	Yes.	This is being done with any current subcommittee, the PAWG, and any who have requested to be added to a PAWG notification email list.				

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1	Proposed	PAWG or Task Group / Subcommittee	Recommendation	BLM Decision	Remarks	Status	Cooperators	BLM Funding	Other Funding
148	2009 November	PAWG	That the BLM place a copy of the Geomatrix groundwater characterization study be placed in the Sublette County library.						
149	2010 February	PAWG	That the BLM approve Shell's adaptive management proposal to defer construction of the liquids gathering facility in DA-1 subject to the conditions set forth in the letter from Governor Freudenthal.						
150	2010 May	PAWG	That the BLM invite all task groups to fill out a subgroup template consistent with PAWG's advisory role in preparation for the next meeting.	Yes.	Done. Requests sent out June 1 and July 28.				
151	2010 May	PAWG	That the BLM approve the new quarter-mile no surface occupancy buffer (removes three square miles from disturbance) to the new variant of the Lander Road with one new well pad within the buffer.	Yes.					
152	2010 October	PAWG	That the BLM and appropriate agencies to address fencing issue and reply to PAWG in November meeting.	Yes.	Done. Tim Zebulke presented.				
153	2010 October	PAWG	That the BLM present GIS mapping capabilities and an analysis and interpretation of current monitoring data for all resources that are being monitored in a summarized format.						
154	2010 November	PAWG	For the APM review team to factor in highway mortality trends.						
155	2010 November		Request from DFO for a brochure format for water monitoring data.		Forwarded to water subcommittee, Daryll Walker, chair.				