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13 UNITED STATES DISTRICT COURT  
 14 FOR THE CENTRAL DISTRICT OF CALIFORNIA

	)	Case No: 2:15-cv-04378-MWF/JEM
CENTER FOR BIOLOGICAL	)	
DIVERSITY, et al.,	)	
Plaintiffs,	)	<b>FEDERAL DEFENDANTS'</b>
v.	)	<b>MEMORANDUM OF POINTS AND</b>
	)	<b>AUTHORITIES IN SUPPORT OF</b>
	)	<b>CROSS-MOTION FOR SUMMARY</b>
UNITED STATES BUREAU OF	)	<b>JUDGMENT AND OPPOSITION TO</b>
LAND MANAGEMENT, et al.,	)	<b>PLAINTIFFS' MOTION FOR</b>
Defendants.	)	<b>SUMMARY JUDGMENT</b>
	)	Requested hearing date: June 27, 2016
	)	Courtroom: 1600
	)	Judge: Hon. Michael W. Fitzgerald

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1 **INTRODUCTION**

2 This case is not about an unforeseen and unanalyzed fracking boom; it is  
3 about the Bureau of Land Management’s (“BLM”) attempt to update two outdated  
4 resource management plans to better protect the environment while continuing to  
5 allow oil and gas development as authorized by statute. Plaintiffs’ challenge to the  
6 Bakersfield Resource Management Plan (“RMP”) misrepresents not only the  
7 nature and use of well stimulation technologies and enhanced oil recovery methods  
8 in central California, but also the effect of the RMP. Plaintiffs present hydraulic  
9 fracturing (“fracking”) and steam injection as new technologies that threaten  
10 unanticipated environmental impacts. They suggest that the Bakersfield RMP  
11 allows oil and gas drilling on over one million acres of pristine federal lands and  
12 that these technologies will be used throughout that acreage.

13 In fact, fracking has been used to stimulate wells in the San Joaquin Valley  
14 since the 1950s; injection has been used to increase production in California for  
15 over 50 years. AR012083; AR012595; AR018961. The Bakersfield RMP does not  
16 authorize leasing or drilling on over one million acres; it makes these lands, most  
17 of which were already open to development under prior RMPs, available for future  
18 leasing. AR092375; AR089735. Any drilling on those lands is contingent on the  
19 developer obtaining a lease and permit, both of which require additional agency  
20 action and environmental review. AR092287. And while about 25% of new wells  
21 in the Bakersfield planning area are expected to be fracked, 98% of new wells on  
22 federal mineral estate in the planning area are projected to be drilled on existing  
23 leases that have been producing for over 30 years. AR089538; AR012429.

24 BLM fully complied with the National Environmental Policy Act (“NEPA”)  
25 in developing the Bakersfield RMP. It properly relied on past practices, including  
26 the use of fracking and steam injection, to forecast future oil and gas development  
27 in the planning area. It developed a range of alternatives that reflected the fact that  
28 the vast majority of future development is likely to occur on lands already leased.

1 It then took a hard look at the impacts of anticipated oil and gas development in a  
2 1,000-page environmental impact statement (“EIS”). Before issuing a final  
3 decision, BLM commissioned an independent review of well stimulation  
4 technologies in California to ensure that its EIS accurately reflected the potential  
5 impacts of fracking. When that report confirmed BLM’s analysis, the agency  
6 reasonably determined that there was no need to supplement the EIS.

7 But the Court need not even reach the merits of this case. Plaintiffs lack  
8 standing to bring this suit because they have not and cannot allege a concrete  
9 injury stemming from BLM’s approval of the RMP. Not only does the RMP make  
10 no irreversible commitments of resources as it approves no leases or permits, its  
11 designations of lands open and closed to leasing can be changed in the future by  
12 subsequent land use planning. For the same reason, this case is not ripe for  
13 adjudication. Review of the RMP before BLM has authorized any leasing or  
14 drilling that might affect Plaintiffs would be premature.

## 15 **FACTUAL BACKGROUND**

### 16 **I. Oil and Gas Well Stimulation in California**

17 Well stimulation technologies (“WST”), such as hydraulic fracturing, and  
18 enhanced oil recovery techniques (“EOR”), such as steam injection, have been  
19 used in California for over 50 years.<sup>1</sup> AR012083; AR018961. WST are used to  
20 increase the permeability of hydrocarbon-bearing formations by creating additional  
21 channels through which oil or gas can flow. AR012082-84. When stimulating a  
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23 <sup>1</sup> Plaintiffs refer to “unconventional drilling methods” throughout their Motion but  
24 do not define that term. *E.g.*, Pls.’ Mot. 1, 2, 4. Unconventional drilling methods is  
25 not a term of art. *See* AR018916 (“An oil reservoir is typically classified as  
26 *unconventional* if well stimulation is required for economical production.”).  
27 Federal Defendants assume that Plaintiffs are challenging hydraulic fracturing and  
28 steam injection since those are the technologies that they identify in their Motion,  
Pls.’ Mot. 4, 5, 14, and will refer to those technologies together in this brief as well  
stimulation and enhanced oil recovery technologies or “WST/EOR.”

1 well via fracking, the operator injects fluid at high pressure into the well to produce  
2 fractures in the surrounding rock. AR018919; AR095646. The fractures create  
3 additional pathways from the formation to the well, allowing the operator to extract  
4 more hydrocarbons. AR018919; AR095648. In contrast, EOR improves the flow of  
5 oil through the geologic formation. AR012083. When using steam injection, the  
6 operator injects steam into the formation either via the production well itself  
7 (cyclic steam injection) or a second injection well (steam flooding) to increase  
8 temperature and pressure, thereby encouraging oil to flow. AR012176; AR019235.

9 Both fracking and steam injection are used routinely in California. About  
10 25% of wells in California are fracked and 75% of California's oil is produced  
11 utilizing EOR, including steam injection. AR093955; AR094526; AR012083;  
12 AR012595. The majority of oil production, and the majority of fracking, in  
13 California occurs in Kern County. AR012429. Roughly 85% of all fracking in  
14 California occurs in four oilfields in the southwestern portion of the San Joaquin  
15 Basin in Kern County. AR018895; AR012188. Between 2002 and 2013,  
16 approximately 33% of all wells in Kern County were fracked. AR012429.

## 17 **II. The Bakersfield RMP**

18 On March 4, 2008, BLM issued a Notice of Intent to revise the management  
19 plans for public lands and minerals managed by the Bakersfield Field Office.  
20 AR000148. The planning area—that is, all lands within the Bakersfield Field  
21 Office's administrative boundary—consisted of about 17 million acres in Kings,  
22 San Luis Obispo, Santa Barbara, Tulare, Ventura, Madera, eastern Fresno, and  
23 western Kern Counties. AR089223. The decision area—the lands managed by  
24 BLM within the planning area—consisted of about 400,000 acres of public lands  
25 (surface and minerals) and an additional 750,000 acres of federal mineral estate.  
26 AR089225. The revised RMP would replace the existing management plans for the  
27 planning area—the 1997 Caliente RMP and portions of the 1984 Hollister RMP—  
28 and would address lands acquired by BLM subsequent to the older RMPs, as well



1 as new data, laws, regulations, and policies. AR000130; AR089205.

2 Also in 2008, BLM began the public scoping process to identify issues  
3 relevant to the RMP revision. AR000148. The Plaintiff organizations in this case,  
4 Center for Biological Diversity (“CBD”) and Los Padres ForestWatch (“LPFW”),  
5 along with a number of other environmental organizations, submitted joint scoping  
6 comments. AR001174. LPFW also submitted separate scoping comments.

7 AR001125. While the comments urged BLM to “diminish[] resource extraction on  
8 public lands,” they did not mention fracking or other WST/EOR. AR001196-98.

9 During its initial planning process, BLM drafted a Reasonably Foreseeable  
10 Development Scenario (“RFD”) to better understand future mineral development  
11 in the planning area. *See* BLM Handbook<sup>2</sup> H-1624-1 Planning for Fluid Mineral  
12 Resources § III-7 (explaining RFD development). In preparing the RFD, BLM  
13 considered past development in the planning area, including the use of fracking.  
14 AR017708; AR094634. The RFD forecasted that 100-400 oil and gas wells would  
15 be drilled annually on federal mineral estate in the decision area over the next 10-  
16 15 years. AR090214. It also projected that 80-90% of oil and gas related surface  
17 disturbance would occur in the San Joaquin Valley portion of the planning area and  
18 that “the vast majority would be on lands that are already leased (not on new leases  
19 issued subsequent to this RMP).” AR090215. The RFD explained that BLM did  
20 not expect significantly more oil and gas activity in the next 10-15 years because  
21 “[n]o significant new fields have been discovered in the Bakersfield FO decision  
22 area in the last twenty years” and no discoveries had been made on federal mineral  
23 estate. *Id.*

24 On September 9, 2011, BLM published a Notice of Availability of the Draft  
25 Resource Management Plan and Draft Environmental Impact Statement (“DEIS”)

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28 <sup>2</sup> BLM Handbooks are available at [http://www.blm.gov/wo/st/en/info/regulations/  
Instruction\\_Memos\\_and\\_Bulletins/blm\\_handbooks.html](http://www.blm.gov/wo/st/en/info/regulations/Instruction_Memos_and_Bulletins/blm_handbooks.html).

1 and solicited comments on that document. AR000380; AR002351. LPFW provided  
2 comments on the DEIS; however, those comments concerned BLM's designation  
3 of Areas of Critical Environmental Concern ("ACEC") and did not mention the  
4 impacts of WST/EOR. AR003413. CBD did not submit comments on the DEIS.

5 On August 28, 2012, BLM published a Notice of Availability of the  
6 Proposed Resource Management Plan and Final Environmental Impact Statement  
7 ("FEIS"). AR000389. The FEIS analyzed five alternatives. AR089240. The no  
8 action alternative (Alternative A) would have brought forward the existing land  
9 and resource management schemes in the prior Caliente and Hollister RMPs.  
10 AR089241. Under that alternative, 304,080 acres would remain open to fluid  
11 mineral leasing subject to standard terms and conditions, while 707,280 acres  
12 would remain open subject to major constraints. AR089427. The proposed plan  
13 (Alternative B) would leave 1,011,470 acres open to leasing, all under major  
14 constraints. *Id.* The remaining three alternatives, Alternatives C, D, and E,  
15 provided for 966,160, 966,160, and 1,013,010 acres, respectively, to remain open  
16 to fluid mineral leasing, all subject to major constraints. *Id.*

17 Under Alternatives B, C, D, and E, the major constraints imposed by BLM  
18 on fluid mineral leasing were no surface occupancy and controlled surface use  
19 stipulations that give BLM the ability to prohibit surface disturbance or modify  
20 development proposals to protect environmental resources. AR090114. For  
21 example, BLM may require that a proposed project be relocated or modified if it  
22 falls within the range of a threatened or endangered species. AR089287;  
23 AR090115-16. BLM may also prohibit surface disturbing activities that jeopardize  
24 the existence or recovery of a species. *Id.* Similar stipulations protect ACECs,  
25 sensitive species, raptors, critical habitat, priority species, cultural resources, and  
26 existing development or uses that may be incompatible with fluid mineral  
27 development. AR089287-91; AR090111-25.

28 The FEIS went on to consider the impacts of oil and gas development under

1 the various alternatives. It noted that oil and gas development in the planning area  
2 does not significantly contribute to air emissions. AR089619; AR089449. BLM  
3 recognized the risk of oil and gas development to groundwater and explained that  
4 “[d]uring the BLM’s project level engineering review of an APD, a proposed well  
5 is evaluated to ensure that subsurface resources are protected.” AR089512. BLM  
6 also evaluated the impact of oil and gas development on biological resources,  
7 AR089631-33, cultural resources, AR089670-72, and others. BLM acknowledged  
8 that although “[v]irtually all oil fields in California are well past their peak  
9 production rates, . . . new technologies such as enhanced oil recovery techniques . . .  
10 . can significantly increase the percentage of oil recovered profitably.” AR089538.

11 Both LPFW and the CBD protested the FEIS. LPFW did not address  
12 fracking or other WST/EOR. AR004670. CBD’s protest letter did discuss fracking  
13 and incorporated a prior letter sent to BLM’s California State Director on August  
14 29, 2012, giving BLM notice of CBD’s intent to challenge prior leases and permit  
15 approvals under the Endangered Species Act (“ESA”). AR004660; AR093521.

16 In 2013, after issuing the FEIS but before issuing a Record of Decision,  
17 BLM commissioned an independent assessment of WST in California by the  
18 California Council on Science and Technology (“CCST”). AR017711. The  
19 purpose of the study was to “synthesize and assess the available published  
20 scientific and engineering information associated with [hydraulic fracturing] in  
21 California.” *Id.* CCST requested references from the public as part of its efforts to  
22 survey all relevant information, AR012768; AR018890, and CBD submitted 154  
23 references. AR012769; AR020665-704. CCST issued its report on August 28,  
24 2014. AR018867. It concluded that the use and impacts of fracking in California  
25 are different than those in other states, any expanded use of WST is likely to occur  
26 in or near reservoirs already using such technologies, there are no publicly  
27 recorded instances of the subsurface release of well production fluids into potable  
28 groundwater in California, fugitive methane emissions from fracking are likely to

1 be small compared to the total releases caused by all oil and gas production in  
2 California, and current fracking in California is unlikely to pose a seismic hazard.  
3 AR018895-AR018913.

4 In December 2014, before issuing its Record of Decision, BLM responded to  
5 comments protesting the FEIS in a Protest Resolution Report that was sent to each  
6 protestor and posted online. AR092274; AR092583. BLM explained that its  
7 projections for oil and gas development over the next 10-15 years took into  
8 account technologies including steam injection, horizontal drilling, and fracking.  
9 AR092593. It also explained that projected oil and gas development does not vary  
10 substantially by alternative in the FEIS because it “is most likely to occur in  
11 existing oil fields on leases for which exploration and development rights have  
12 already been granted.” AR092593-94.

13 On January 16, 2015, BLM published a Notice of Availability of the Record  
14 of Decision for the RMP. AR092680. The Record of Decision explained that BLM  
15 had reviewed the CCST’s findings and conclusions but determined that they did  
16 not constitute significant new information that warranted a supplemental  
17 environmental impact statement (“SEIS”) because they largely confirmed the  
18 analysis in the FEIS. AR092283-86. BLM ultimately selected the proposed plan,  
19 Alternative B, as described in the FEIS for the RMP. AR092273. The RMP leaves  
20 1,011,470 acres of federal mineral estate open to leasing subject to major  
21 constraints (1,007,590 acres are subject to controlled surface use stipulations and  
22 3,880 acres are subject to a no surface occupancy stipulation), while closing  
23 149,600 acres to fluid mineral leasing. AR092375.

24 On April 8, 2015, CBD sent BLM a letter requesting that the agency prepare  
25 an SEIS for the RMP considering additional information on WST/EOR.  
26 AR012652. The letter included a 26-page list of references. AR012684. BLM  
27 reviewed the references, AR012710, and concluded that CBD failed to bring them  
28 to BLM’s attention during the planning process, many were included in the CCST

1 report, and most were “not germane to the Bakersfield RMP in that they address  
2 issues that occur under different circumstances, in different geologic areas, and  
3 impact different species.” AR012766-67.

## 4 STATUTORY BACKGROUND

### 5 I. Oil and Gas Development on Federal Lands

6 The Federal Land Policy and Management Act (“FLPMA”) requires BLM to  
7 manage public lands “under principles of multiple use and sustained yield.” 43  
8 U.S.C. § 1732(a). One of the many uses that BLM must consider is mineral  
9 development. 43 U.S.C. §§ 1701(a)(12), 1702(c); 43 C.F.R. § 3100.0-3. The  
10 agency is tasked to “develop, maintain, and, when appropriate, revise land use  
11 plans” for lands it manages. 43 U.S.C. § 1712(a). These plans must reflect BLM’s  
12 multiple use mandate. *Id.* §§ 1712(c)(1).

13 In the oil and gas context, land use plans—also known as RMPs—guide  
14 future leasing of federal mineral estate but generally do not authorize any specific  
15 projects. AR092286; BLM Handbook H-1601-1 Land Use Planning, App. C at 23-  
16 24. Rather, BLM conducts additional NEPA analysis at the leasing and permitting  
17 stages to decide whether a given parcel should be leased for oil and gas  
18 development, what resource protection stipulations should condition each lease,  
19 and whether and under what conditions to approve an application for permit to drill  
20 (“APD”) for a proposed well. AR092286-87.

### 21 II. The National Environmental Policy Act

22 NEPA serves the dual purpose of informing agency decisionmakers of the  
23 environmental effects of proposed major federal actions and ensuring that relevant  
24 information is made available to the public. 42 U.S.C. § 4321; 40 C.F.R. § 1501.1;  
25 *Robertson v. Methow Valley Citizens Council*, 490 U.S. 332, 349 (1989). The  
26 statute achieves its objectives by imposing procedural rather than substantive  
27 requirements. *Robertson*, 490 U.S. at 351 (NEPA “prohibits uninformed—rather  
28 than unwise—agency action.”). Thus, NEPA does not require an agency to follow

1 the most environmentally sound course of action, but rather to take a “hard look” at  
2 the environmental consequences of proposed actions. *Id.* at 350. An EIS for a  
3 programmatic plan must provide “sufficient detail to foster informed decision-  
4 making,” but “site-specific impacts need not be fully evaluated until a critical  
5 decision has been made to act on site development.” *Friends of Yosemite Valley v.*  
6 *Norton*, 348 F.3d 789, 800 (9th Cir. 2003) (quoting *N. Alaska Env'tl. Ctr. v. Lujan*,  
7 961 F.2d 886, 890-91 (9th Cir. 1992)).

### 8 STANDARD OF REVIEW

9 Because NEPA does not provide a private right of action for judicial review,  
10 Plaintiffs’ claims must be reviewed under the judicial review provisions of the  
11 Administrative Procedure Act (“APA”). *Lujan v. Nat’l Wildlife Fed’n*, 497 U.S.  
12 871, 882-83 (1990). Under the APA, a court may set aside an agency action only if  
13 it is “arbitrary, capricious, an abuse of discretion, or otherwise not in accordance  
14 with law.” 5 U.S.C. § 706(2)(A). “[T]he ultimate standard of review is a narrow  
15 one. The court is not empowered to substitute its judgment for that of the agency.”  
16 *Citizens to Pres. Overton Park, Inc. v. Volpe*, 401 U.S. 402, 416 (1971). Plaintiffs  
17 carry the burden of proof. *Kleppe v. Sierra Club*, 427 U.S. 390, 412 (1976).

18 Under the deferential “arbitrary and capricious standard,” a court will  
19 overturn a decision only “if the agency relied on factors Congress did not intend it  
20 to consider,” “entirely failed to consider an important aspect of the problem,” or  
21 offered an explanation “that runs counter to the evidence before the agency or is so  
22 implausible that it could not be ascribed to a difference in view or the product of  
23 agency expertise.” *Lands Council v. McNair*, 537 F.3d 981, 987 (9th Cir. 2008) (en  
24 banc), *overruled on other grounds by Winter v. Natural Res. Def. Council, Inc.*,  
25 555 U.S. 7 (2008) (quoting *Earth Island Inst. v. U.S. Forest Serv.*, 442 F.3d 1147,  
26 1156 (9th Cir. 2006)). In other words, there must be “a clear error of judgment.”  
27 *Marsh v. Or. Natural Res. Council*, 490 U.S. 360, 378 (1989).

28 A reviewing court is at its “most deferential” when assessing the agency’s

1 consideration of technical matters. *Lands Council*, 537 F.3d at 993. In that role, the  
2 reviewing court is not “to act as a panel of scientists” but rather to defer to “an  
3 ‘agency’s predictive judgments about areas that are within the agency’s field of  
4 discretion and expertise . . . as long as they are reasonable.’” *Id.* at 988, 993  
5 (quoting *Earthlink, Inc. v. FCC*, 462 F.3d 1, 12 (D.C. Cir. 2006)).

## 6 ARGUMENT

7 This Court need not reach the merits of this case because Plaintiffs’ claims  
8 fail at the threshold. Because the Bakersfield RMP does not approve any oil and  
9 gas development and makes no irreversible commitments, Plaintiffs cannot  
10 identify a concrete and particularized injury sufficient to support standing to  
11 challenge its approval. For the same reason, Plaintiffs’ claims are not ripe. Not  
12 only does judicial review at this stage require the Court to improperly speculate as  
13 to BLM’s future decisions, it is also unnecessary. Plaintiffs will have the  
14 opportunity to challenge future oil and gas development at the leasing and  
15 permitting stages before any drilling occurs, assuming they satisfy the applicable  
16 jurisdictional requirements.

17 Plaintiffs’ claims also fail on the merits. BLM fully complied with NEPA:  
18 the agency took a hard look at the impacts of oil and gas development, including  
19 the use of WST/EOR; considered a reasonable range of alternatives in light of its  
20 statutory mandate and preexisting leases; and reasonably decided not to develop an  
21 SEIS when new information available after the issuance of the FEIS confirmed the  
22 FEIS’s analysis.

### 23 I. Plaintiffs Lack Standing to Challenge the Bakersfield RMP

24 This case should be dismissed because Plaintiffs are unable to identify a  
25 concrete injury sufficient to support standing. To demonstrate standing, “a plaintiff  
26 must show that he is under threat of suffering ‘injury in fact’ that is concrete and  
27 particularized; the threat must be actual and imminent, not conjectural or  
28 hypothetical; it must be fairly traceable to the challenged action of the defendant;

1 and it must be likely that a favorable judicial decision will prevent or redress the  
2 injury.” *Summers v. Earth Island Inst.*, 555 U.S. 488, 493 (2009). “[A] plaintiff  
3 asserting a procedural injury must show that the procedures in question are  
4 designed to protect some threatened concrete interest of his that is the ultimate  
5 basis of his standing.” *W. Watersheds Project v. Kraayenbrink*, 632 F.3d 472, 485  
6 (9th Cir. 2011) (quoting *Citizens for Better Forestry v. USDA*, 341 F.3d 961, 969  
7 (9th Cir. 2003) (internal quotation marks omitted)).

8 Plaintiffs’ declarants<sup>3</sup> allege that BLM’s approval of the Bakersfield RMP  
9 injures them in two ways: (1) by failing to comply with NEPA and (2) by  
10 diminishing opportunities to visit and enjoy the decision area “as a result of  
11 continued or expanding oil and gas activities occurring in or adjacent to those  
12 areas,” Anderson Decl. ¶¶ 21, 14-15; Kuyper Decl. ¶¶ 11, 17 (ECF Nos. 17-1 &  
13 17-2). The first alleged injury is purely procedural and cannot support standing on  
14 its own. *Summers*, 555 U.S. at 496. To establish standing under the second alleged  
15 injury, Plaintiffs must show that additional RMP-stage NEPA analysis could  
16 protect their interest in visiting lands in the decision area that are unaffected by oil  
17 and gas development. *W. Watersheds Project*, 632 F.3d at 485. But even if BLM  
18 redid its NEPA analysis and decided to close additional lands to development,  
19

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20  
21 <sup>3</sup> This Court should not consider the portions of the Declarations of Ilene Anderson  
22 and Jeff Kuyper that address the merits of this case. *See* Kuyper Decl. ¶¶ 12-17,  
23 20; Anderson ¶¶ 16-20, 24. Under the APA, judicial review of an agency action is  
24 based on the administrative record before agency rather than on a factual record  
25 created *de novo* in the reviewing court. *Camp v. Pitts*, 411 U.S. 138, 141-42  
26 (1973); *Friends of the Earth v. Hintz*, 800 F.2d 822, 829 (9th Cir. 1986). Plaintiffs’  
27 declarations are admissible only to support standing; their commentary on the  
28 merits of this case—the adequacy of BLM’s NEPA analysis—is extra-record and  
not properly before this Court. *San Luis & Delta-Mendota Water Auth. v. Locke*,  
776 F.3d 971, 992-93 (9th Cir. 2014) (finding that court may not use extra-record  
declarations “to determine the correctness or wisdom of the agency’s decision”  
(quoting *Asarco, Inc. v. EPA*, 616 F.2d 1153, 1160 (9th Cir. 1980))).



1 there is no evidence that these closures would better protect Plaintiffs’ interests  
2 than the current RMPs: 98% of future development is expected to occur on existing  
3 leases and it is unlikely that the remaining 2% will occur in the areas that Plaintiffs  
4 visit since most of these are designated Areas of Critical of Environmental  
5 Concern (“ACECs”) subject to use stipulations.<sup>4</sup> AR089538; *cf. NRDC v. Jewell*,  
6 749 F.3d 776, 783 (9th Cir. 2014) (finding plaintiffs have standing when adequate  
7 consultation under ESA could have better protected their interest in delta smelt).

8 More fundamentally, the RMP only identifies lands open and closed to  
9 future leasing; it does not authorize leasing or development. Rather, the Secretary  
10 of the Interior—and BLM by delegation—has absolute discretion to lease or not  
11 lease any given parcel of public lands within an area designated as open for  
12 leasing. *Udall v. Tallman*, 380 U.S. 1, 4 (1965); *Burglin v. Morton*, 527 F.2d 486,  
13 488 (9th Cir. 1975). The RMP also does not constrain BLM’s ability to open or  
14 close lands to leasing in the future through additional land use planning. Handbook  
15 H-1624-1 § V-3; BLM Instruction Mem. (I.M.) No. 2010-117 at 12-13.<sup>5</sup> Thus,  
16 until lands are actually leased, Plaintiffs can only speculate as to possible future  
17 injury. In sum, Plaintiffs’ “some day” intention to visit an unidentified area within  
18

19 \_\_\_\_\_  
20 <sup>4</sup> Plaintiffs identify Salinas River, Chimineas Ranch, East Temblor, Bitter Creek,  
21 Hopper Mountain, Atwell Island, Carrizo Plain, Cuyama Valley, and Sespe as  
22 areas they visit within the decision area. Anderson Decl. ¶¶ 11-13, 23; Kuyper  
23 Decl. ¶¶ 7-8, 10, 19. Of these, Bitter Creek, Hopper Mountain, Salinas River,  
24 Upper Cuyama Valley, and the Sand Ridge Unit of the Ancient Lakeshores on  
25 Atwell Island are ACECs subject to leasing restrictions. AR092425-35. Chimineas  
26 Ranch, which includes the Carrizo Plain Ecological Reserve, and the Temblor  
27 National Cooperative Land and Wildlife Management Area are also subject to use  
28 stipulations. AR092322; AR092385; AR092388-89. The Carrizo Plain National  
Monument, Los Padres National Forest, and Bitter Creek and Hopper Mountain  
National Wildlife Refuges are not within the decision area.

<sup>5</sup> Available at [http://www.blm.gov/wo/st/en/info/regulations/  
Instruction\\_Memos\\_and\\_Bulletins/national\\_instruction/2010/IM\\_2010-117.html](http://www.blm.gov/wo/st/en/info/regulations/Instruction_Memos_and_Bulletins/national_instruction/2010/IM_2010-117.html).

1 the over one million acres of the decision area that could be leased or drilled in the  
2 future if BLM so decides after subsequent NEPA analysis is too tenuous to support  
3 standing. *See Summers*, 555 U.S. at 496; *Wilderness Soc’y, Inc. v. Rey*, 622 F.3d  
4 1251, 1256 (9th Cir. 2010) (finding general intention to return to national forests  
5 “too vague to confer standing because [plaintiff] has not shown that he is likely to  
6 encounter an *affected* area of the Umpqua National Forest in his future visits”).

## 7 **II. Plaintiffs’ Claims Are Not Ripe**

8 For reasons similar to those precluding standing, Plaintiffs’ claims are not  
9 ripe. In deciding whether an agency’s decision is ripe for judicial review, a court  
10 must consider: “(1) whether delayed review would cause hardship to the plaintiffs;  
11 (2) whether judicial intervention would inappropriately interfere with further  
12 administrative action; and (3) whether the courts would benefit from further factual  
13 development of the issues presented.” *Ohio Forestry Ass’n, Inc. v. Sierra Club*,  
14 523 U.S. 726, 733 (1998). First, postponing review in this case until a site-specific  
15 project threatens actual, imminent injury to Plaintiffs would not harm Plaintiffs—  
16 the RMP approves no development and Plaintiffs would have an opportunity to  
17 challenge any implementation decision at the leasing and permitting stages. *See id.*  
18 (finding no hardship to plaintiffs when forest management plan did not “give  
19 anyone a legal right to cut trees, nor [] abolish anyone’s legal authority to object to  
20 trees being cut”); *Wyo. Outdoor Council v. U.S. Forest Serv.*, 165 F.3d 43, 49-50  
21 (D.C. Cir. 1999) (holding NEPA challenge to land use plan designating lands open  
22 to oil and gas development premature because an irreversible and irretrievable  
23 commitment of resources does not occur until the lease stage); *cf. Ctr. for*  
24 *Biological Diversity v. BLM*, 937 F. Supp. 2d 1140, 1152-53 (N.D. Cal. 2013)  
25 (finding challenge to lease ripe because lease allowing surface occupancy is an  
26 irreversible and irretrievable commitment of resources). Second, judicial review  
27 here would interfere with BLM’s planning process. BLM conducts additional  
28 NEPA review before it leases lands for development and approves permits to drill.

1 That review will determine the particular lands offered for lease, the stipulations or  
2 conditions of approval imposed on a given lease or permit, and the mitigation  
3 measures required. Plaintiffs' claims cannot be ripe when they "rest upon  
4 contingent future events that may not occur as anticipated, or indeed may not occur  
5 at all." *Texas v. United States*, 523 U.S. 296, 300 (1998). Third, courts would  
6 significantly benefit from further factual development of the issues presented.  
7 Plaintiffs are asking this court to review BLM's consideration of WST/EOR before  
8 BLM has actually issued a lease or approved its development. This is precisely the  
9 type of premature "abstract disagreement[] over administrative policy" that the  
10 ripeness doctrine is intended to prevent.<sup>6</sup> *Cf. Ohio Forestry*, 523 U.S. at 733, 736.

### 11 **III. Plaintiffs Have Waived Their Right to Challenge the RMP**

12 By failing to present their criticisms of BLM's proposed plan during the  
13 notice and comment period, Plaintiffs have waived their right to challenge the  
14 RMP. "Persons challenging an agency's compliance with NEPA must 'structure  
15 their participation so that it . . . alerts the agency to the [parties'] position and  
16 contentions,' in order to allow the agency to give the issue meaningful  
17 consideration." *Dep't of Transp. v. Pub. Citizen*, 541 U.S. 752, 764 (2004)

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18  
19 <sup>6</sup> In *Ohio Forestry*, the Supreme Court stated in dicta that "a person with standing  
20 who is injured by a failure to comply with the NEPA procedure may complain of  
21 that failure at the time the failure takes place, for the claim can never get riper."  
22 523 U.S. at 737. This stray statement does not apply to every NEPA claim. In cases  
23 such as this where the challenged RMP has no real world effect unless and until  
24 BLM takes a subsequent action, and where Plaintiffs will have additional  
25 opportunities to challenge that action under NEPA, the claim is not ripe. Numerous  
26 courts have so held. *Ctr. for Biological Diversity v. U.S. Dep't of Interior*, 563 F.3d  
27 466, 480-82 (D.C. Cir. 2009); *Citizens for Appropriate Rural Roads v. Foxx*, 2016  
28 WL 828148, at \*7-8 (7th Cir. Mar. 3, 2016); *New York v. U.S. Army Corps of  
Eng'rs*, 896 F. Supp. 2d 180, 196-97 (E.D.N.Y. 2012) ("[T]he court does not  
believe the Supreme Court would intend to attempt to abrogate its prudential  
ripeness case law as to NEPA claims in a few sentences of dicta."). *But see Kern v.  
BLM*, 284 F.3d 1062, 1070 (9th Cir. 2002) (finding NEPA challenge to RMP ripe).

1 (quoting *Vt. Yankee Nuclear Power Corp. v. Natural Res. Def. Council*, 435 U.S.  
2 519, 553 (1978)). Here, neither CBD nor LPFW discussed fracking or other  
3 WST/EOR in any of their scoping or DEIS comments. AR001125, AR001174,  
4 AR003413. In fact, CBD did not submit any comments on the DEIS. Plaintiffs  
5 were clearly aware of the potential impacts of fracking and other WST/EOR before  
6 the FEIS was issued because CBD sued BLM in December of 2011, three months  
7 after the issuance of the DEIS, alleging that BLM failed to adequately consider the  
8 impacts of fracking when it leased federal mineral estate “in an area directly  
9 adjacent to the decision area.”<sup>7</sup> Pls.’ Mot. 16 (ECF No. 17); *Ctr. for Biological*  
10 *Diversity*, 937 F. Supp. 2d 1140 (N.D. Cal. 2013).

11 While CBD’s protest of the FEIS does discuss fracking (but notably not  
12 steam injection or other WST/EOR), it had an obligation to raise those concerns  
13 prior to the issuance of the FEIS when BLM could meaningfully address them.  
14 *Havasupai Tribe v. Robertson*, 943 F.2d 32, 34 (9th Cir. 1991) (holding criticisms  
15 of project raised after issuance of FEIS “may not form a basis for reversal of an  
16 agency decision”). Nor does this situation fall into the exception to *Public Citizen*’s  
17 notice requirement wherein a plaintiff may challenge a deficiency in an agency’s  
18 NEPA analysis without submitting prior comments when the flaw is “so obvious  
19 that there is no need for a commentator to point [it] out . . . in order to preserve its  
20 ability to challenge a proposed action.” 541 U.S. at 765. The Ninth Circuit has  
21 interpreted this “so obvious” standard to mean a situation in which the agency had  
22 independent knowledge of the alleged flaws. *‘Ilio’ulaokalani Coal. v. Rumsfeld*,  
23 464 F.3d 1083, 1092 (9th Cir. 2006). Here, although BLM was certainly aware of  
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26 <sup>7</sup> Plaintiffs filed the complaint in that case on December 8, 2011. Compl., *Ctr. for*  
27 *Biological Diversity*, 937 F. Supp. 2d 1140 (No. 11-06174), ECF No. 1. Comments  
28 on the Bakersfield DEIS were also due on December 8, 2011, 90 days after  
publication of the Notice of Availability of the DEIS in the *Federal Register* on  
September 9, 2011. AR000380.

1 the use of WST/EOR within the planning area, the agency is not prescient; it could  
2 not have been aware of Plaintiffs’ particular criticisms—the particular impacts,  
3 alternatives, and studies it wished the agency to consider—until Plaintiffs  
4 articulated them. By failing to raise their specific concerns with regard to the land  
5 use planning decisions under consideration at a point in the administrative process  
6 when BLM could meaningfully consider them in its analysis, Plaintiffs have  
7 waived their right to challenge the FEIS and RMP.

#### 8 **IV. BLM Fully Complied with NEPA**

9 For the reasons discussed above, this Court need not reach the merits of this  
10 case. But if it does, it will find that BLM fully complied with NEPA. Plaintiffs  
11 allege that BLM violated NEPA by failing to (1) take a hard look at the impacts of  
12 WST/EOR; (2) consider alternatives that would have closed additional lands to oil  
13 and gas development; and (3) prepare an SEIS addressing WST/EOR. Courts  
14 “review an EIS under a ‘rule of reason’ to determine whether it contains a  
15 reasonably thorough discussion of the significant aspects of the probable  
16 environmental consequences.” *Okanogan Highlands All. v. Williams*, 236 F.3d  
17 468, 473 (9th Cir. 2000). “In determining whether the EIS contains a ‘reasonably  
18 thorough discussion,’ [courts] may not ‘fly-speck the document and hold it  
19 insufficient on the basis of inconsequential, technical deficiencies . . . .’” *Friends*  
20 *of Se.’s Future v. Morrison*, 153 F.3d 1059, 1063 (9th Cir. 1998) (quoting *Swanson*  
21 *v. U.S. Forest Serv.*, 87 F.3d 339, 343 (9th Cir. 1996)). Once the court is “satisfied  
22 that a proposing agency has taken a ‘hard look’ at a decision’s environmental  
23 consequences, [its] review is at an end.” *Id.* Because its analysis was reasonable in  
24 light of its statutory framework, preexisting conditions on the ground, and the fact  
25 that it was making a planning, rather than site-specific leasing or development,  
26 decision, BLM fully complied with NEPA.

#### 27 **A. BLM Took a Hard Look at the Impacts of Oil and Gas Development**

28 Plaintiffs allege that BLM failed to take a hard look at the impacts of

1 WST/EOR in the FEIS. “A court's inquiry, when reviewing whether an agency  
2 complied with NEPA, is whether the agency adequately considered a project's  
3 potential impacts and whether the consideration given amounted to a ‘hard look’ at  
4 the environmental effects.” *N. Alaska Env'tl. Ctr. v. Kempthorne*, 457 F.3d 969, 975  
5 (9th Cir. 2006). “A ‘hard look’ includes ‘considering all foreseeable direct and  
6 indirect impacts.’” *Id.* (quoting *Idaho Sporting Congress, Inc. v. Rittenhouse*, 305  
7 F.3d 957, 973 (9th Cir. 2002)). Here, BLM took a hard look at the impacts of  
8 WST/EOR to the extent those impacts could be analyzed at the RMP stage. The  
9 agency reasonably decided to consider the site-specific effects of WST/EOR at the  
10 leasing and permitting stages when it has the information necessary to do so.

11 BLM considered the impacts of WST/EOR throughout the FEIS in its  
12 analysis of the impacts of oil and gas development. For example, in its discussion  
13 of mineral management, BLM acknowledged that “enhanced oil recovery  
14 techniques” may “significantly increase the percentage of oil recovered profitably”  
15 from existing oilfields. AR089538; *see also* AR090215 (noting that higher oil and  
16 gas prices “may result in increased drilling in areas that were previously marginal,  
17 such as deep fractured shale and shallow diatomite zones”). BLM also explained  
18 that “steam injection is often required” in the San Joaquin Basin to allow heavy oil  
19 to flow. AR089538.

20 Even where the FEIS did not specifically call out WST/EOR, its analysis of  
21 the impacts of oil and gas development assumed that a proportion of that  
22 development would apply those technologies since all of them have been used in  
23 California for decades. Fracking has been used in the San Joaquin Basin since  
24 1953; it has been applied intensively since the late 1970s and early 1980s.  
25 AR018957; AR018961; AR009182. Enhanced oil recovery techniques such as  
26 steam injection, cyclic steam injection, and water injection have also been used for  
27 over 50 years. AR012595; AR022837 (1995 California Department of  
28 Conservation oil and gas well injection report listing wells by stimulation and

1 recovery technologies used). In estimating future development in the RFD, BLM  
2 appropriately based its estimates on past development, much of which utilized  
3 WST/EOR.<sup>8</sup> AR017708-10; AR094634 (explaining how BLM estimated  
4 foreseeable future development in RFD); Handbook H-1624 § III-7 (instructing  
5 BLM to base projections of future development on past and present leasing,  
6 exploration, and development activities as well as geological, technological, and  
7 economic factors). As the record demonstrates, BLM collected and analyzed  
8 historical data to determine how many and which wells would likely be fracked in  
9 the future. *See, e.g.*, AR093683; AR093694; AR093704. Thus, BLM’s discussion  
10 of the impacts of projected oil and gas development throughout the FEIS  
11 necessarily took into account the use of WST/EOR. *See, e.g.*, AR089615-22 (air);  
12 AR089623-24 (climate change); AR089631-34 (biological resources); AR089698-  
13 701 (water); AR089707 (wildfire ecology and management); AR089781-805  
14 (economic and social resources); AR089815-16 (cumulative impacts); *see also*  
15 AR019675 (explaining that FEIS emission estimates took into account “variability  
16 in oil and gas development process including the type and size of equipment to be  
17 used” and for this reason “the estimation of emissions specific to WST was not  
18 segregated from the overall emissions estimates for oil and gas production”).

19 BLM did not discuss the impacts of specific technologies in detail in the  
20 FEIS because the agency lacks the site-specific information needed for that  
21 analysis at the RMP-stage. The impacts of fracking and other WST/EOR vary  
22 depending on the geomorphology of the specific area drilled, the methods of  
23

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24 <sup>8</sup> In their attempt to paint an unrealistic picture of a burgeoning fracking boom in  
25 which new, untested technologies are “supplant[ing] traditional methods,”  
26 Plaintiffs quote BLM’s ROD which, in fact, confirms that these technologies are  
27 not new: the “most likely scenario for future oil recovery is expanded production in  
28 and near existing oil fields in the San Joaquin Basin *in a manner quite similar to  
the production practices of today, including well stimulation techniques.*”  
AR092285 (emphasis added); Pls.’ Mot. 15.

1 drilling and production, the precise technology used, etc. *See, e.g.*, AR009227-30  
2 (explaining that the “extent and severity” of fracking impacts depends on  
3 “location- and process- specific factors, including the location and rate of  
4 development; geological characteristics, such as permeability, thickness, and  
5 porosity of the formations in the basin; climatic conditions; business practices; and  
6 regulatory and enforcement activities”); AR009186 (“Fracturing fluids are tailored  
7 to site specific conditions.”); AR019111-12 (explaining that air impacts depend, in  
8 part, on whether oil, gas, water, and other fluids are transported to and from the  
9 well by pipeline or by truck). Without a specific location and proposal before it,  
10 BLM can only speculate as to the use and site-specific impacts of WST/EOR—  
11 something that NEPA does not require. *Northcoast Env'tl. Ctr. v. Glickman*, 136  
12 F.3d 660, 668 (9th Cir. 1998) (“NEPA does not require an agency to consider the  
13 environmental effects [of] speculative or hypothetical projects . . .”).

14 BLM’s inability to predict and analyze the impacts of specific leases and  
15 drilling projects at the RMP stage is precisely why BLM manages oil and gas  
16 development in three stages with additional, site-specific NEPA analysis at the  
17 leasing and permitting stages. *See* AR092283, 86-87 (describing NEPA analysis at  
18 leasing and permitting stages); AR092594 (“[H]ydraulic fracturing production like  
19 all oil and gas production is highly uncertain.”). This tiered approach complies  
20 with NEPA: while “NEPA requires that the evaluation of a project's environmental  
21 consequences take place at an early stage in the project's planning process, . . .  
22 [t]his requirement is tempered . . . by the statutory command that we focus upon a  
23 proposal's parameters as the agency defines them . . . [and] by the preference to  
24 defer detailed analysis until a concrete development proposal crystallizes the  
25 dimensions of a project's probable environmental consequences.” *California v.*  
26 *Block*, 690 F.2d 753, 761 (9th Cir. 1982). For that reason, “NEPA requires a full  
27 evaluation of site-specific impacts *only when* a ‘critical decision’ has been made to  
28 act on site development—*i.e.*, when ‘the agency proposes to make an irreversible



1 and irretrievable commitment of the availability of resources to [a] project at a  
2 particular site.” *Friends of Yosemite Valley*, 348 F.3d at 801; *see also Kern*, 284  
3 F.3d at 1072 (Where it is not “reasonably possible to analyze the environmental  
4 consequences in an EIS for an RMP,” BLM is not required to perform that  
5 analysis.). In the case of oil and gas development, an irreversible and irretrievable  
6 commitment of resources does not occur until, at the earliest, a particular parcel is  
7 actually leased, at which point the lessee has a right in the mineral estate. *Wyo.*  
8 *Outdoor Council*, 165 F.3d at 49; *N. Alaska Env'tl. Ctr.*, 457 F.3d at 975-76.

9 BLM’s tiered approach to NEPA analysis does not undermine, but rather  
10 enhances, the public involvement aim of NEPA. Until BLM knows the specifics of  
11 a proposed project, it cannot provide the public with a fulsome discussion of  
12 potential impacts and the public cannot meaningfully contribute. *See* 40 C.F.R. §  
13 1502.20 (instructing agencies to use tiering “to focus on the actual issues ripe for  
14 decision at each level of environmental review”). Because no irreversible and  
15 irretrievable commitments are made until the leasing stage, and because the public  
16 is fully involved in the NEPA analysis conducted at that time, the public is not  
17 prejudiced by BLM’s consideration of site-specific impacts at later stages. *See I.M.*  
18 *No. 2010-117* at 11-13 (requiring public comment period on NEPA for all lease  
19 sales as well as protest period after sale notice posted); *N. Alaska Env'tl. Ctr.*, 457  
20 F.3d at 977 (finding BLM not required to do site-specific analysis of impacts at the  
21 planning stage for oil and gas development because “Plaintiffs will have an  
22 opportunity to comment on any later EIS,” additional permits may be required and  
23 conditions imposed before any activity occurs, and “the parcels likely to be  
24 affected are not yet known”).

25 As the Ninth Circuit has explained, “the scope of [an agency’s] analysis of  
26 environmental consequences in [an] EIS must be appropriate to the action in  
27 question.” *Kern*, 284 F.3d at 1072. The purpose of an RMP in the mineral  
28 development context is to determine which lands within the decision area to open

1 to oil and gas leasing and which stipulations to impose on future leases to protect  
2 resources. Handbook H-1601-1, App. C at 23. BLM’s analysis of the impacts of  
3 100-400 wells drilled annually in the decision area, many on existing leases not  
4 affected by the new RMP and a proportion of which will utilize WST/EOR, was  
5 reasonable in light of this purpose.

6 **B. BLM Considered a Reasonable Range of Alternatives**

7 Plaintiffs next assert that BLM failed to analyze a reasonable range of  
8 alternatives because it did not consider an alternative that would “lower[] future oil  
9 and gas development below current levels” or otherwise “limit oil and gas drilling  
10 in the decision area.” Pls.’ Mot. 18-19. But an EIS must only evaluate  
11 “reasonable” alternatives. 40 C.F.R. § 1504.14(a) (emphasis added). An agency  
12 need not consider alternatives “whose implementation is deemed remote and  
13 speculative” or those that are “infeasible, ineffective, or inconsistent with the basic  
14 policy objectives for management of the area.” *Headwaters, Inc. v. BLM*, 914 F.2d  
15 1174, 1180 (9th Cir. 1990). Here, BLM considered in detail five alternatives that  
16 would have allowed between 974,560 (Alternatives C and D) and 1,016,270  
17 (Alternative A) acres of federal mineral estate to remain open to oil and gas leasing  
18 subject to a range of constraints, including no surface occupancy and controlled  
19 use stipulations. AR089427. The number of acres closed to leasing by the  
20 alternatives ranged from 149,200 acres (Alternative E) to 196,050 acres  
21 (Alternatives C and D). *Id.* Plaintiffs argue that these ranges are not wide enough  
22 and that BLM should have considered an alternative that would have closed  
23 substantially more lands to leasing. The record demonstrates that BLM did  
24 consider alternatives that would have closed additional lands, or all lands, within  
25 the decision area to oil and gas development but rejected them as inconsistent with  
26 existing leases and its statutory mandate to allow energy development.

27 In its NEPA analysis for the RMP, BLM was not working on a clean slate. A  
28 substantial portion of federal mineral estate within the decision area had already

1 been leased prior to the RMP planning process. AR089421. As of 2010, there were  
2 about 540 leases covering more than 214,000 acres within the decision area.  
3 AR089540. Those existing leases convey rights and may be subject to modification  
4 by a later planning decision only if that decision is consistent with those rights. 43  
5 C.F.R. § 3101.1-2; 43 C.F.R. § 1610.5-3(b); I.M. 2010-117 at 6; *S. Utah*  
6 *Wilderness All. v. Palma*, 707 F.3d 1143, 1159 (10th Cir. 2013). While a lease has  
7 a ten year term, if the lease is productive it continues indefinitely so long as oil or  
8 gas is produced in paying quantities. 30 U.S.C. § 226(e). As BLM explained in the  
9 FEIS, it would be “disingenuous” to consider an alternative that severely restricts  
10 oil and gas development within the decision area “since extensive valid lease rights  
11 exist that could be developed regardless of changes in management in this RMP  
12 revision.” AR089421.

13 BLM also has a statutory duty to manage public lands for multiple uses,  
14 including energy development. 43 U.S.C. §§ 1712(c)(1), 1732(a); *see also id.* §  
15 1701(a)(12) (“[T]he public lands [shall] be managed in a manner which recognizes  
16 the Nation’s need for domestic sources of minerals . . .”). For that reason, BLM  
17 concluded that “it would be arbitrary and inconsistent with existing laws to analyze  
18 closing the entire Decision Area to development.” AR089421. As the Ninth Circuit  
19 has said, “[i]t would turn NEPA on its head to interpret the statute to require that  
20 [an agency] conduct in-depth analyses of . . . alternatives that are inconsistent with  
21 the [agency's] policy objectives.” *Westlands Water Dist. v. U.S. Dep't of Interior*,  
22 376 F.3d 853, 871 (9th Cir. 2004) (quoting *Kootenai Tribe v. Veneman*, 313 F.3d  
23 1094, 1122 (9th Cir. 2002)).

24 BLM did consider closing additional lands to development but did not  
25 analyze that alternative in detail because it saw no need to affirmatively  
26 close lands with little or no oil or gas potential. AR089421; 40 C.F.R. §  
27 1504.14(a) (noting that for alternatives eliminated from detailed study, the  
28 agency must “*briefly* discuss the reasons for their having been eliminated”

1 (emphasis added)). Given the unlikelihood that substantial development  
2 would occur on these lands, BLM determined that leasing constraints would  
3 adequately protect them. AR089421. This decision comports with BLM's  
4 Handbook which instructs the agency to close lands to mineral development  
5 only when "other land or resource values cannot be adequately protected  
6 with even the most restrictive lease stipulations." Handbook H-1601-1, App.  
7 C at 24. It also does not foreclose BLM from deciding in a later land use  
8 planning process that lands designated as open in the RMP should, in fact,  
9 be closed to leasing. Handbook H-1624-1 § V-3; I.M. 2010-117 at 3, 12-13.

10 Plaintiffs suggest that BLM improperly confined its alternatives  
11 analysis on the assumption that future oil and gas development would reflect  
12 historic development. Pls.' Mot. 20. It is true that the RFD's forecast was  
13 necessarily constrained by reality: because the vast majority of the  
14 development predicted by the RFD is on lands that are already leased, that  
15 development will continue regardless of which lands are opened or closed in  
16 the RMP. That is, even if BLM had closed all of the decision area to  
17 development except the areas already leased, the level of projected  
18 development would remain nearly the same. BLM explained this in both the  
19 RFD and its response to CBD's protest:

20 The RFD does not vary by alternative as the foreseeable development  
21 is most likely to occur in existing oil fields on leases for which  
22 exploration and development rights have already been granted. Even  
23 given advancements in drilling and production technology, the BLM  
does not expect development to deviate from this historic pattern.

24 AR092593-94; *see also* AR090215-16. This is confirmed by the statistics:  
25 between 1995 and 2008, 98% of wells applied for and drilled in the planning  
26 area were on leases that were over 30 years old, in most cases, nearly 100  
27 years old. AR089538; *see also* AR093920 (explaining that there is no data to  
28 suggest that wells will be drilled in undeveloped areas).

1 Plaintiffs also imply that BLM fudged the data underlying the RFD to  
2 achieve a “predetermined” result. In support, Plaintiffs cite a spreadsheet  
3 listing the total number of wells drilled in different areas between 1998 and  
4 2008 and containing an annotation that “wells per year need to be adjusted  
5 so that RFD is 100-400 wells.” AR035467. Rather than evidence bad faith,  
6 the annotation reflects BLM’s determination that the RFD’s forecast should  
7 be increased from 100-300 wells to 100-400 wells per year to accurately  
8 reflect the greater number of permits issued in 2010. AR012911.

9 In focusing solely on the total acreage opened and closed to development,  
10 Plaintiffs fail to see the other ways in which BLM protects the environment from  
11 oil and gas production. BLM imposes constraints on future leases at the RMP-stage  
12 in the form of stipulations to avoid or reduce impacts to resources identified as  
13 significant in the RMP. Handbook H-1601-1, App. C at 23-24. At the leasing  
14 stage, BLM can modify a proposed lease or refuse to lease lands altogether when  
15 proposed development would violate these constraints. *See* AR092375-90; *Udall*,  
16 380 U.S. at 4 (The Secretary has “discretion to refuse to issue any lease at all on a  
17 given tract.”). Of the five alternatives that BLM considered for the Bakersfield  
18 RMP, only the no action alternative would have left lands open to development  
19 subject to minimal constraints. AR089427. Each of the other alternatives imposed  
20 a different mix of major constraints on all lands open to drilling and a no surface  
21 occupancy restriction on a subset of those lands. *Id.*; AR089285-91 (constraints  
22 under Alternative B); AR089348-53 (constraints common to Alternatives C, D,  
23 and E); AR089372 (constraints specific to Alternative C); AR089391 (constraints  
24 specific to Alternative D); AR089408 (constraints specific to Alternative E). As  
25 the Ninth Circuit has explained, an alternative that opens most lands to leasing but  
26 imposes significant constraints on development is a “middle ground alternative”  
27 between “full development” and “full preservation.” *N. Alaska Env’tl. Ctr.*, 457  
28 F.3d at 978. By considering alternatives with major constraints on lands open to

1 leasing, BLM fulfilled its duty under NEPA to consider environmentally protective  
2 alternatives that also comport with its statutory mandate under FLPMA to balance  
3 competing uses. *See Norton v. S. Utah Wilderness All.*, 542 U.S. 55, 58 (2004)  
4 (“‘Multiple use management’ is a deceptively simple term that describes the  
5 enormously complicated task of striking a balance among the many competing  
6 uses to which land can be put . . . .” (quoting 43 U.S.C. § 1702(c)).

7 **C. BLM’s Decision Not to Prepare a Supplemental EIS Was Reasonable**

8 Plaintiffs allege that NEPA required BLM to prepare an SEIS to address the  
9 CCST report and other information brought to its attention by CBD. Pls.’ Mot. 21-  
10 26. But “[a]n agency is not required to prepare a SEIS every time new information  
11 comes to light.” *N. Idaho Cmty. Action Network v. U.S. Dep’t of Transp.*, 545 F.3d  
12 1147, 1157 (9th Cir. 2008). Rather, an agency must prepare an SEIS if “[t]here are  
13 significant new circumstances or information relevant to environmental concerns  
14 and bearing on the proposed action or its impacts.” 40 C.F.R. § 1502.9(c)(1)(ii).  
15 The Ninth Circuit has explained that this means an SEIS is required “if a new  
16 proposal will have a significant impact on the environment in a manner not  
17 previously evaluated and considered.” *Westlands Water Dist.*, 376 F.3d at 873  
18 (internal quotation marks omitted). New information that confirms an agency’s  
19 original conclusions does not require an SEIS. *Friends of the Clearwater v.*  
20 *Dombeck*, 222 F.3d 552, 558-59 (9th Cir. 2000) (Forest Service’s decision not to  
21 prepare an SEIS reasonable when new information supported analysis in original  
22 EIS). BLM’s decision not to prepare an SEIS was reasonable because neither the  
23 CCST report nor CBD’s protest identified additional impacts of WST/EOR worthy  
24 of consideration at the RMP-stage that BLM failed to consider in its FEIS.

25 To begin with, information brought to BLM’s attention after the agency  
26 issued its Record of Decision (“ROD”) and approved the RMP in December 2014  
27 cannot be the source of an SEIS claim. “[S]upplementation [of an EIS] is necessary  
28 only if ‘there remains major federal action[n] to occur.’” *S. Utah Wilderness All.*,

1 542 U.S. at 73 (quoting *Marsh*, 490 U.S. at 374). Once a land use plan is approved,  
2 “there is no ongoing ‘major federal action’ that could require supplementation.”  
3 *Id.*; see also *Cold Mountain v. Garber*, 375 F.3d 884, 894 (9th Cir. 2004). Thus,  
4 CBD’s April 8, 2015 letter to BLM requesting that the agency develop an SEIS  
5 cannot be the source of new information upon which its SEIS claim is based.<sup>9</sup>

6 That leaves the CCST report and CBD’s protest of the FEIS as possible  
7 sources of new information that could warrant an SEIS. The record demonstrates  
8 that BLM took a hard look at both documents and reasonably concluded that  
9 neither contained “significant new information” meriting an SEIS. As BLM  
10 explained in the ROD, the CCST report largely confirmed BLM’s findings and  
11 conclusions in the FEIS. For example, the report “confirm[ed] the analysis in the  
12 PRMP/FEIS that the most likely scenario for future oil recovery is expanded  
13 production in and near existing oil fields in the San Joaquin Basin in a manner  
14 quite similar to the production practices of today, including well stimulation  
15 techniques . . . .” AR092285; AR018899; AR020330. The report also supports  
16 BLM’s analysis of air impacts in the FEIS, finding that emissions from oil and gas  
17 production “would be low in relation to the overall activity in the region.”  
18 AR092285; cf. AR018909 (“Estimated marginal emissions . . . directly from  
19 activities directly related to WST appear small compared to oil and gas production  
20 emissions in total in the San Joaquin Valley . . . .”); AR018910 (“Fugitive methane  
21 emissions from the direct application of WST to oil wells are likely to be small  
22 compared to the total greenhouse gas emissions from oil and gas production in  
23 California.”). The report confirmed that WST, as currently used in California, “do  
24 not result in a significant increase in seismic hazard.” AR092285; AR018911.

25 Plaintiffs allege that the CCST report identified groundwater impacts not  
26 \_\_\_\_\_

27 <sup>9</sup> BLM nevertheless reviewed the references and studies listed by CBD in that  
28 letter and explained in a response letter why the information presented did not  
merit an SEIS. AR012710; AR012720; AR012722; AR012742; AR012766.

1 considered in the FEIS. Pls.’ Mot. 22. But the FEIS acknowledged potential  
2 groundwater impacts and described how BLM’s oversight of operations minimizes  
3 those impacts.<sup>10</sup> AR089511-12; AR092285. In their effort to magnify the  
4 significance of the CCST’s conclusions, Plaintiffs fail to provide necessary context  
5 for the information they cite. For example, the sentence they quote regarding the  
6 potential for a fracture to intersect a nearby aquifer is found in CCST’s Conclusion  
7 6, which begins by stating that “[t]here are no publicly recorded instances of  
8 subsurface release of contaminated fluids into potable groundwater in California.”  
9 AR018906. While the report goes on to acknowledge possible risks, BLM did not  
10 ignore those risks in the FEIS. Instead, it explained that it will evaluate those risks  
11 in greater detail at the leasing and permitting stages when it knows the specific  
12 location of future development and can identify nearby water sources. AR089511-  
13 12; AR092286-87; AR093920. The CCST report supports this site-specific  
14 approach, explaining that “WST-enabled oil and gas production presents  
15 environmental, health and safety impacts that can be very different depending on  
16 the history of land use where it takes place.” AR018903.

17       Importantly, many of the CCST’s conclusions cited by Plaintiffs are not  
18 findings. Rather, they are acknowledgments that impacts may be possible but that  
19 there is insufficient data to support a finding one way or the other at this time. For  
20 example, the CCST report concluded that “[p]otential risks posed by chronic  
21 exposure to most chemicals used in WST are unknown at this time,” AR018905, “a  
22 lack of studies, consistent and transparent data collection, and reporting makes it  
23 difficult to evaluate the extent to which [contamination of groundwater by WST]  
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26 <sup>10</sup> Plaintiffs allege that the CCST report “specifically calls out deficiencies in the  
27 Bureau’s final EIS, stating that the ‘deferral of groundwater protection to state, as  
28 the current FEIS does, is risky.’” Pls.’ Mot. 22. This statement is not in the CCST  
report; nowhere does the CCST report refer to the FEIS. Plaintiffs appear to have  
extrapolated this statement from an internal BLM discussion. AR018739.



1 may have occurred,” AR018906, and “[a] more detailed assessment of wastewater  
2 disposal practices is needed to determine their levels of risk to surface water,  
3 groundwater, or agriculture,” AR018908. While these conclusions identify gaps in  
4 our understanding of the impacts of WST/EOR, they do not undermine BLM’s  
5 analysis in the FEIS and thus do not warrant an SEIS.<sup>11</sup>

6 BLM also reasonably concluded that the information presented in CBD’s  
7 protest did not merit an SEIS. Many of the points made in that document are  
8 contradicted by the CCST report. For example, Plaintiffs claim that fracking fluids  
9 contain dangerous chemicals and that fracking will cause air pollution, methane  
10 leakage, and surface and groundwater contamination. Pls.’ Mot. 23. The CCST  
11 report, however, found that most chemicals used for WST treatments are non-toxic  
12 or of low toxicity (AR018905), that WST is unlikely to substantially contribute to  
13 air pollution or methane leaks (AR018909-10), and that there have been no  
14 reported instances of groundwater contamination in California (AR018906).

15 Likewise, in its protest CBD claimed an increase in the use of WST/EOR in  
16 the Monterey Shale relying on estimates discredited by the CCST report. For  
17 example, the CBD protest quotes the 2011 EIA report which estimated that the  
18 Monterey Shale contained over 13 billion barrels of recoverable oil. AR093528.

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21 <sup>11</sup> Nor do these data gaps invalidate the FEIS itself. When relevant information  
22 “cannot be obtained because the overall costs of obtaining it are exorbitant or the  
23 means to obtain it are not known,” an agency may proceed with its decision so  
24 long as it “make[s] clear that such information is lacking.” 40 C.F.R. § 1502.22.  
25 BLM acknowledged that the CCST report identified “a number of data gaps and  
26 uncertainties related to the effects of well stimulation technologies as practiced in  
27 California” in the RMP and committed to “apply[ing] the best available and most  
28 current scientific information for leasing and development decisions as new  
information becomes available in the future.” AR092286; *see also Native Vill. of Point Hope v. Jewell*, 740 F.3d 489, 498-99 (9th Cir. 2014) (finding EIS complied with NEPA despite missing certain unavailable information because that information was not necessary for a planning level decision).

1 EIA itself reduced that estimate in 2014 by 96% to 600 million barrels. AR019037;  
2 AR092284. As the CCST report explained, “[v]ery little empirical data is available  
3 to support [the 2011 EIA] analysis and the assumptions used to make this estimate  
4 appear to be consistently on the high side.” AR018901; *see also* AR095501 (study  
5 finding EIA estimates “highly overstated”). The report went on to note that “[t]here  
6 has not been enough exploration to know how much of the Monterey source rock  
7 has retained oil, or if the oil has largely migrated away, but it is unlikely the entire  
8 source rock will be productive given the extreme heterogeneity in the Monterey  
9 Formation.” *Id.* CBD’s protest also relied on data from the Marcellus Shale in New  
10 York and Pennsylvania despite CCST’s admonition that WST/EOR practices in  
11 California differ significantly from those in other states and the impacts of  
12 WST/EOR in other states are therefore not necessarily applicable to California.  
13 AR093522-30; AR018895. Other sources cited by CBD to support the claimed  
14 increase in fracking in the Monterey Shale included unscientific news articles and  
15 vague industry statements about exploratory drilling, which BLM reasonably  
16 found unpersuasive. AR093528-29.

17 Finally, Plaintiffs suggest that BLM failed to address “new information  
18 about indirect and cumulative impacts from unconventional drilling on over one  
19 million acres of the decision area.” Pls.’ Mot. 24. Not only do Plaintiffs fail to  
20 identify this new information, they also overstate projected development—98% of  
21 new wells in the decision area are expected to be drilled on 214,000 acres of  
22 existing leases—and overlook the FEIS’s thorough analysis of direct, indirect, and  
23 cumulative impacts of anticipated oil and gas development, including the use of  
24 WST/EOR. *See supra* Section IV.A.

25 In sum, BLM’s conclusion that the CCST report and CBD protest did not  
26 identify significant new information regarding the potential impacts of WST/EOR  
27 was reasonable and is supported by the record. Indeed, the CCST report itself  
28 concluded that “the direct impacts of WST appear to be relatively limited for

1 industry practice of today and will likely be limited in the future if proper  
2 management practices are followed.” AR018912. While the report acknowledged  
3 that indirect impacts could increase if there is “significantly increased production  
4 enabled by WST,” neither the report nor any other credible source found that such  
5 an increase was likely in California, let alone in the decision area. *Id.*; AR018899-  
6 901. As an agency with expertise in mineral development, BLM’s decision that the  
7 CCST report and CBD protest did not warrant an SEIS deserves this Court’s  
8 deference. *Lands Council*, 537 F.3d at 993.

9 **V. The Proper Remedy is Remand to BLM**

10 Should this Court find that BLM violated NEPA, the proper remedy is  
11 remand to the agency for further consideration in light of the court’s opinion. *See*  
12 *Human Soc’y v. Locke*, 626 F.3d 1040, 1053 n.7 (9th Cir. 2010) (noting court may  
13 remand without vacatur). Vacatur of the Bakersfield RMP is inappropriate here  
14 because it would have “disruptive consequences”: it would cause the preexisting  
15 RMPs—the 1997 Caliente RMP and the 1984 Hollister RMP—to come back into  
16 force. *CropLife Am. v. EPA*, 329 F.3d 876, 884-85 (9th Cir. 2003) (holding that  
17 consequence of vacatur of agency decision is that “the agency’s previous practice .  
18 . . is reinstated”). Those RMPs are outdated and do not serve Plaintiffs’ interests  
19 because they leave more acreage open to oil and gas development than the  
20 Bakersfield RMP with fewer constraints. AR089427. In the event that this Court  
21 considers vacatur of the Bakersfield RMP or an injunction against BLM, Federal  
22 Defendants request that the parties be permitted additional briefing on remedies.

23 **CONCLUSION**

24 For the reasons discussed above, BLM’s decision to adopt the Bakersfield  
25 RMP, and its supporting NEPA analysis, were reasonable and should be upheld.  
26 This Court should deny Plaintiffs’ claims and grant summary judgment in favor of  
27 Federal Defendants.  
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Respectfully submitted this 15th day of April, 2016.

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