

# Rangewide Energy Project Checklist for Consistency With the COT Report and Sage-grouse Mitigation Framework

## Instructions:

### ***Purpose***

The Energy Project Checklist (Checklist) shall be used by USFWS (FWS) biologists for all current and future projects that may impact sage-grouse or sage-grouse habitat. The Checklist will serve as a tool to help the Service and project developers understand if revisions to current energy projects or new projects are consistent with the recommendations in the COT Report (COT) and the Sage-grouse Rangewide Mitigation Framework (Mitigation Framework).

### ***Background***

The Service employs the COT and the Mitigation Framework when reviewing a new energy or infrastructure project, as these documents provide important Service recommendations and guidance applicable to the siting, construction, restoration, operations, maintenance, and mitigation of new energy or infrastructure projects. New energy and infrastructure projects, if placed in or near sage-grouse habitats, will exist on the landscape for decades or longer and accrue direct and indirect impacts to sage-grouse and their habitats. Affirmative conservation actions taken now can help lessen potential negative population trends in the future.

The Service and States collaboratively developed the COT to summarize threats to sage-grouse and its habitats, and define broad actions and measures that should be followed to address declining sage-grouse populations and habitat trends. For energy and infrastructure projects, the COT also provides specific Conservation Objectives, with energy and infrastructure project-specific options for actions and measures to avoid impacts to sage-grouse and their habitats. Where impact avoidance cannot be fully accomplished, the COT provides options for actions and measures to minimize energy and infrastructure impacts. The Mitigation Framework complements the COT's summary of threats, and conservation

concepts and guidance, and further identifies factors the Service can use in evaluating the efficacy of mitigation actions in addressing a project's unavoidable direct and indirect effects to sage-grouse.

Using these two source documents, the Checklist was developed for FWS use to help determine if proposed energy projects and the associated infrastructure are consistent with the recommendations and guiding concepts provided in the COT and the Mitigation Framework. The concepts and questions, identified in the Checklist, are the Service's interpretations and applications of the COT and the Mitigation Framework, as applied to energy and infrastructure projects. Further guidance with sector specific concepts and questions for each major energy sector may be developed by the Service in future. The Checklist should be used by Service staff to determine if energy and infrastructure projects are consistent with the COT and Mitigation Framework, where such projects and activities occur in sage-grouse PACs, PPH, PGH, and/or state-designated sage-grouse habitat. Use of the Checklist will improve the consistency of the Service's assessments across jurisdictional boundaries and sage-grouse conservation across the range.

## Basic Project Information

**Project Name:**

**Region:**

**Lead Office:**

**Lead Service Biologists:**

**Other Service Biologist(s):**

**Project Leader(s):**

**Applicant (Energy**

**Company):**

## Rating Project Consistency:

### **Green:**

If the question is not applicable to a project or if the biologist determines that the project is consistent with the COT recommendation.

### **Yellow:**

If there is ambiguity that the COT recommendations are being followed (e.g. if it is unclear or there is low confidence that indirect effects are fully assessed).

### **Red:**

If the project is not consistent with a COT recommendation (e.g. project sited in a PAC), then mark that question as Red.

## Ratings Table

*Please include your assessment (red, yellow, green) along with an explanation for each of the questions below.*

*Explanation boxes will expand as you type.*

Rating Concept Number	Description of Consistency with COT/ Mitigation Framework (questions) <sup>1</sup>	RED / YELLOW / GREEN (No, Maybe, Yes)	Explanation/ Rationale
1.	Avoid Siting Energy Projects in	(please identify)	

<sup>1</sup> Examples of COT and Mitigation Framework sources are provided below for the Checklist's guiding concepts and questions.

Please upload completed document to: <https://fishnet.fws.doi.net/projects/home/NSGC/Econ/Forms/AllItems.aspx>

Please follow standard naming convention: YYYYMMDD\_RX\_ProjectName (e.g. 20141126\_R6\_FakeProject)

If you have questions, please contact the Sage-Grouse Energy Coordinator, Drue DeBerry ([drue\\_deberry@fws.gov](mailto:drue_deberry@fws.gov))

Rating Concept Number	Description of Consistency with COT/ Mitigation Framework (questions) <sup>1</sup>	RED / YELLOW / GREEN (No, Maybe, Yes)	Explanation/ Rationale
	<b>PACs:</b> Are Project features and associated infrastructure <u>sited</u> outside of PACs? If PACs are not avoided, explain the rationale for siting decision. What was done to avoid sage-grouse habitat features and minimize impacts to sage-grouse?		
2.	<b>Activities Outside of PACs Should Not Have Impacts to GRSB Habitat in PACs:</b> Are Project activities outside of PACs (construction, upgrading, operations and maintenance) designed to avoid any direct or indirect <u>impacts</u> to GRSB habitat in PACs?	(please identify)	
3.	<b>Avoid Impacts to Other GRSB Habitats that Occur Outside of PACs:</b> Are Project features (including associated infrastructure) and activities sited and designed to	(please identify)	

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	avoid any direct or indirect impacts to identified (outside of PAC) GRSG habitats?		
4.	<b>Minimize Impacts To Identified Sage-grouse Habitats:</b> Are Project features sited in non-GRSG habitat? Are GRSG habitats adequately buffered from Project features and activities? Are effective and comprehensive BMPs proposed for a Project's design, siting, construction, and O&M phases?	(please identify)	
5.	<b>Consider Direct and Indirect Impacts:</b> Have the Project's direct and indirect impacts to sage-grouse and sage-grouse habitats (i.e., construction, upgrading, and operation/ maintenance of energy developments, type of road, frequency of use, etc.) and other biologically important features been assessed and quantified	(please identify)	

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	using a scientifically defensible approach?		
6.	<b>Address Impacts by Population Status and Habitat Type/Condition/Importance:</b> Has GRSG population status and habitat quality been factored into the impact assessment and compensatory mitigation calculations, across the Project's entire action area?	(please identify)	
7.	<b>Offset Direct and Indirect Impacts:</b> Does the compensatory mitigation follow the Mitigation Framework's mitigation standards (siting, duration, additionality, effectiveness, durability, and appropriate metrics)?	(please identify)	
8.	<b>Monitor Project Impacts and Mitigation Benefits:</b> Has a monitoring plan been identified that evaluates the implementation and effectiveness	(please identify)	

Rating Concept Number	Description of Consistency with COT/ Mitigation Framework (questions) <sup>1</sup>	RED / YELLOW / GREEN (No, Maybe, Yes)	Explanation/ Rationale
	of avoidance, minimization, restoration, and compensatory mitigation measures? Is adaptive management included in the plan to respond to monitoring results if desired outcomes are not achieved?		
9.	<b>Net Conservation Benefit to Sage-grouse:</b> Does the Project, when considered in its entirety (avoidance, minimization, restoration, compensatory mitigation) and over the life of Project impacts, provide a net conservation benefit for sage-grouse?	(please identify)	

### Summary of Consistency:

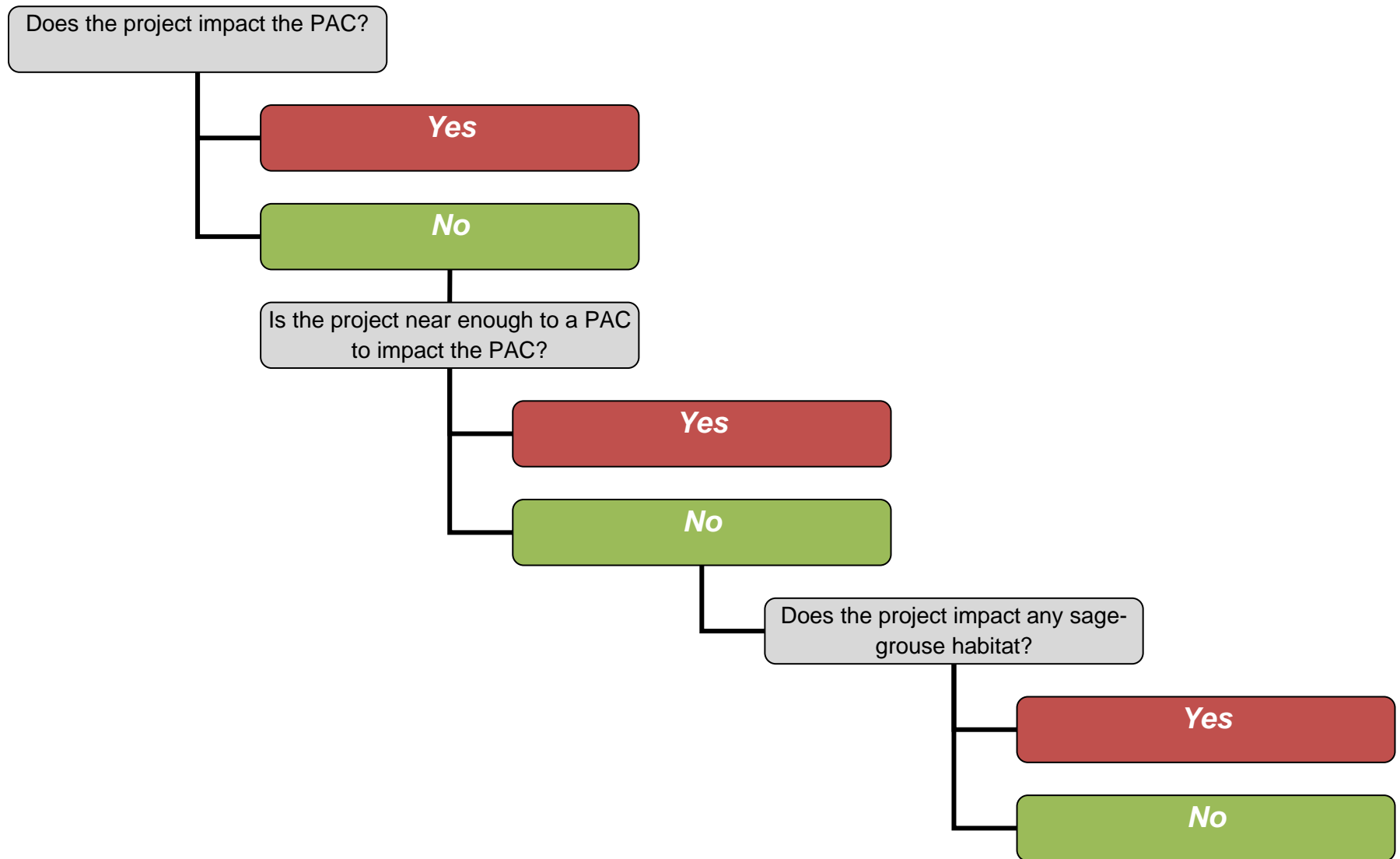
**If any of the checklist items are rated as yellow, please indicate, taking the complete project into consideration, your opinion of the project's consistency with the COT and the Mitigation Framework.**

## Remaining Biological Concerns:

**Are there any remaining biological concerns about project impacts that are not identified by the COT checklist (e.g. impacts due to project scale, geographic context/location, or other information)?**



## Schematic of Avoidance Hierarchy



***Examples of COT and Mitigation Framework sources for concepts, questions:***

1. **Avoid Siting Energy Projects in PACs:** COT: General Conservation Objective 1a, Framework: Part I: Avoidance and Minimization
2. **Avoid Impacts to GRSG Habitat in PACs:** COT: Energy Development Conservation Measure 1, COT: Infrastructure Conservation Option 1, Framework: Part I: Avoidance and Minimization
3. **Avoid Impacts to Other GRSG Habitats that Occur Outside of PACs:** COT: Specific Conservation Objective 4, Framework: Part I: Avoidance and Minimization
4. **Minimize Impacts to Sage-grouse Habitats If Avoidance of Identified Sage-grouse Habitat Does Not Occur:** COT: Energy Development Conservation Measure 2, COT: Infrastructure Conservation Option 2, Framework: Part I: Avoidance and Minimization
5. **Consider Direct and Indirect Impacts:** COT: Summary of Threats, COT: General Conservation Objective 1, Framework: Determining Metrics and Accounting Systems
6. **Address Impacts by Population Status and Habitat Type/Condition/Importance:** COT: Summary of Threats, Framework: Determining Metrics and Accounting Systems
7. **Offset Direct and Indirect Impacts:** Framework: Part II, Standards of Mitigation, COT: Infrastructure Conservation Option 9
8. **Monitor Project Impacts and Mitigation Benefits:** COT: General Conservation Objectives 3.e and 4.b, Framework: Determining Metrics and Accounting Systems
9. **Net Conservation Benefit to Sage-grouse:** Framework: Mitigation Program Goals