

Energy Discipline Report Checklist

Project Name: _____

Contact Name: _____

Date Received: _____ Reviewer: _____

(SAT = Satisfactory; INC = Incomplete; MIS = Missing; N/A = Not Applicable)

Energy studies are conducted in compliance with federal regulations (U.S. DOT Order 5610 IC and FHWA – Technical Advisory T 6640.8A). The Energy Discipline Report Checklist is intended to identify the contents of a WSDOT energy study. The checklist may be modified as appropriate in consultation with the WSDOT Energy section.

An Energy Discipline Report can be highly detailed or extremely concise depending upon whether the level of impact or controversy is substantial or minimal. Project teams should take care to “right-size” the discipline report so it adequately addresses the impacts and controversy without over-analyzing or providing unnecessary information.

I. Summary

Summarize the analysis done and conclusions reached, with enough detail so the report can be included in the Energy Section of the environmental document. If this information is available in another section of a larger document, please provide those sections to the reviewer to complete the information.

SAT INC MIS N/A

- | | | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | A. Objectives of the project. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | B. Methodology. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | C. Current energy environment, including impacts. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | D. Impacts of all alternatives, including the no-action alternative. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | E. Recommended mitigation. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | F. Comparison of alternatives relative to no-action. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | G. Written in Plain Talk language |
-

II. Project Description

Include relevant aspects of each alternative:

SAT INC MIS N/A

- | | | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|-----------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | A. Project location description. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | B. Purpose and need. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | C. Changes to existing alignment. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | D. Vicinity maps. |

SAT INC MIS N/A

- E. Project maps.
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III. Methodology

SAT INC MIS N/A

- A. Methods (indirect and direct) are identified.
- B. Use of methods are explained.
- C. Methods are appropriate for project.
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IV. Affected Environment

SAT INC MIS N/A

- A. Impact (if any) on existing energy supplies.
- B. Location of existing fuel sources.
- C. Impact (if any) on future energy supplies.
- D. Affects on local energy production (if any).
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V. Impact Analysis

SAT INC MIS N/A

- A. VMT (Vehicle Miles Traveled).
- B. BTUs for no-action and all alternatives.
- C. Quantities of fuel consumed for no-action and all alternatives.
- D. Comparison of all alternatives consumption relative to no-action.
- E. Table comparing the operational energy consumed for each alternative relative to no-action.
- F. Table comparing the construction energy consumed for each alternative relative to no-action.
- G. Construction costs.
- H. Construction equipment, construction materials, construction transportation (workers to and from site).
- I. Table comparing greenhouse gas quantities for each alternative for both operation and construction activities.

VI. Mitigation

For each alternative, include a discussion of the relative increase or decrease in fuel consumption compared to no-action for both indirect and direct consumption and the proposed mitigation (e.g., limiting the idling of construction equipment, encouraging carpooling, locating staging areas close to work site).

VII. References

SAT INC MIS N/A

A. _____

VII. Appendices

SAT INC MIS N/A

A. _____

VIII. Electronic Copies of Support Files

SAT INC MIS N/A

A. CD-ROM copy of Greenhouse Gas calculations and EPA MOVES model output files if applicable.