
Attachment 2

Revisions to Draft EIR Recirculated Portions

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REVISIONS TO THE DRAFT EIR

This attachment identifies revisions to the Draft EIR that required recirculation of *Air Quality* and *Greenhouse Gas Emissions and Energy* portions of the EIR prior to certification because these specific revisions constituted significant new information, as defined by CEQA Guidelines, section 15088.5, subdivision (b):

- (1) A new significant environmental impact that would result from the project or from a new mitigation measure proposed to be implemented.
- (2) A substantial increase in the severity of an environmental impact that would result unless mitigation measures are adopted that reduce the impact to a level of insignificance.

None of the revisions to the Draft EIR are due to either of the following, as defined by CEQA Guidelines, section 15088.5, subdivision (b):

- (3) A feasible project alternative or mitigation measure considerably different from others previously analyzed that would clearly lessen the environmental impacts of the project, but the project's proponents decline to adopt it.
- (4) The draft EIR was so fundamentally and basically inadequate and conclusory in nature that meaningful public review and comment were precluded.

For all other revisions to the Draft EIR, please refer to Volume III, Attachment 1.

3.9 Air Quality**3.9.2 Environmental Setting**

Recirculated Draft EIR Section 3.9.2.3 Air Quality – Environmental Setting – Monitoring-Station Data and Attainment-Area Designation, paragraph 5 on page RE-3-8:

As such, this monitoring station is considered representative of ambient air quality in Siskiyou County.

APPENDIX N. AIR EMISSIONS MODELING FOR THE LOWER KLAMATH PROJECT

Attachment A. Emissions Calculations

Recirculated Draft EIR Appendix N Attachment A Table Construction Activity (grading and earthmoving) for the Proposed Project, Continued Operations with Fish Passage Alternative, Two Dam Removal Alternative, Three Dam Removal Alternative, and No Hatchery Alternative, table title on page RE-A-16:

Construction Activity (grading and earthmoving) for the Proposed Project, Continued Operations with Fish Passage Alternative, Two Dam Removal Alternative, Three Dam Removal Alternative, and No Hatchery Alternative¹

Recirculated Draft EIR Appendix N Attachment A Table Construction Activity (grading and earthmoving) for the Proposed Project, Continued Operations with Fish Passage Alternative, Two Dam Removal Alternative, Three Dam Removal Alternative, and No Hatchery Alternative, new footnote on page RE-A-18:

¹ Equipment quantities and daily use estimates were available for the combined demolition activities that would occur at Copco No. 1 and Copco No. 2 dam complexes. Based on the relative anticipated duration of activities at each site, daily equipment use was apportioned by a factor of 0.7 for Copco No. 1 Dam and 0.3 for Copco No. 2 Dam. Maximum daily emissions were obtained by summing daily emissions for construction phases anticipated to occur at the same time and daily emissions were summed over the total daily duration for each phase to obtain total emissions.

Recirculated Draft EIR Appendix N Attachment A Table Off-Road Construction Activity (grading and earthmoving) for the Partial Removal Alternative, table title on page RE-A-35:

Off-Road Construction Activity (grading and earthmoving) for the Partial Removal Alternative¹

Recirculated Draft EIR Appendix N Attachment A Table Off-Road Construction Activity (grading and earthmoving) for the Partial Removal Alternative, new footnote on page RE-A-46:

¹ Equipment quantities and daily use estimates were available for the combined demolition activities that would occur at Copco No. 1 and Copco No. 2 dam complexes. Based on the relative anticipated duration of activities at each site, daily equipment use was apportioned by a factor of 0.7 for Copco No. 1 Dam and 0.3 for Copco No. 2 Dam. Maximum daily emissions were obtained by summing daily emissions for construction phases anticipated to occur at the same time and

daily emissions were summed over the total daily duration for each phase to obtain total emissions.

Recirculated Draft EIR Appendix N Attachment A Table J.C. Boyle Equipment for the Proposed Project, Two Dam Removal Alternative, and Three Dam Removal Alternative, table title on page RE-A-75:

J.C. Boyle Equipment for the Proposed Project, Two Dam Removal Alternative, and Three Dam Removal Alternative¹

Recirculated Draft EIR Appendix N Attachment A Table J.C. Boyle Equipment for the Proposed Project, Two Dam Removal Alternative, and Three Dam Removal Alternative, new footnote on page RE-A-76:

¹ Equipment quantities and daily use estimates were available for the combined demolition activities that would occur at Copco No. 1 and Copco No. 2 dam complexes. Based on the relative anticipated duration of activities at each site, daily equipment use was apportioned by a factor of 0.7 for Copco No. 1 Dam and 0.3 for Copco No. 2 Dam. Maximum daily emissions were obtained by summing daily emissions for construction phases anticipated to occur at the same time and daily emissions were summed over the total daily duration for each phase to obtain total emissions.

Recirculated Draft EIR Appendix N Attachment A Table Dam and Powerhouse Removal Equipment for the Partial Removal Alternative, table title on page RE-A-82:

Dam and Powerhouse Removal Equipment for the Partial Removal Alternative¹

Recirculated Draft EIR Appendix N Attachment A Table Dam and Powerhouse Removal Equipment for the Partial Removal Alternative, new footnote on page RE-A-83:

¹ Equipment quantities and daily use estimates were available for the combined demolition activities that would occur at Copco No. 1 and Copco No. 2 dam complexes. Based on the relative anticipated duration of activities at each site, daily equipment use was apportioned by a factor of 0.7 for Copco No. 1 Dam and 0.3 for Copco No. 2 Dam. Maximum daily emissions were obtained by summing daily emissions for construction phases anticipated to occur at the same time and daily emissions were summed over the total daily duration for each phase to obtain total emissions.

Recirculated Draft EIR Appendix N Attachment A Table Restoration Equipment for the Proposed Project, Partial Removal Alternative, Two Dam Removal Alternative, Three Dam Alternative, table title on page RE-A-95:

Restoration Equipment for the Proposed Project, Partial Removal Alternative, Two Dam Removal Alternative, Three Dam Alternative¹

Recirculated Draft EIR Appendix N Attachment A Table Restoration Equipment for the Proposed Project, Partial Removal Alternative, Two Dam Removal Alternative, Three Dam Alternative, new footnote on page RE-A-95:

¹ Equipment quantities and daily use estimates were available for the combined demolition activities that would occur at Copco No. 1 and Copco No. 2 dam complexes. Based on the relative anticipated duration of activities at each site, daily equipment use was apportioned by a factor of 0.7 for Copco No. 1 Dam and 0.3 for Copco No. 2 Dam. Maximum daily emissions were obtained by summing daily emissions for construction phases anticipated to occur at the same time and daily emissions were summed over the total daily duration for each phase to obtain total emissions.

Recirculated Draft EIR Appendix N Attachment A Table Emissions Factors: Dam and Powerhouse Removal for the Proposed Project, Partial Removal Alternative, Two Dam Removal Alternative, Three Dam Removal Alternative, table title on page RE-A-111:

Emissions Factors: Dam and Powerhouse Removal for the Proposed Project, Partial Removal Alternative, Two Dam Removal Alternative, Three Dam Removal Alternative¹

Recirculated Draft EIR Appendix N Attachment A Table Emissions Factors: Dam and Powerhouse Removal for the Proposed Project, Partial Removal Alternative, Two Dam Removal Alternative, Three Dam Removal Alternative, new footnote on page RE-A-113:

¹ Equipment quantities and daily use estimates were available for the combined demolition activities that would occur at Copco No. 1 and Copco No. 2 dam complexes. Based on the relative anticipated duration of activities at each site, daily equipment use was apportioned by a factor of 0.7 for Copco No. 1 Dam and 0.3 for Copco No. 2 Dam. Maximum daily emissions were obtained by summing daily emissions for construction phases anticipated to occur at the same time and daily emissions were summed over the total daily duration for each phase to obtain total emissions.

Recirculated Draft EIR Appendix N Attachment A Table Emissions Factors: Restoration for the Proposed Project, Partial Removal Alternative, Two Dam Removal Alternative, Three Dam Removal Alternative, table title on page RE-A-115:

Emissions Factors: Restoration for the Proposed Project, Partial Removal Alternative, Two Dam Removal Alternative, Three Dam Removal Alternative¹

Recirculated Draft EIR Appendix N Attachment A Table Emissions Factors: Restoration for the Proposed Project, Partial Removal Alternative, Two Dam Removal Alternative, Three Dam Removal Alternative, new footnote on page RE-A-116:

¹ Equipment quantities and daily use estimates were available for the combined demolition activities that would occur at Copco No. 1 and Copco No. 2 dam complexes. Based on the relative anticipated duration of activities at each site, daily equipment use was apportioned by a factor of 0.7 for Copco No. 1 Dam and 0.3 for Copco No. 2 Dam. Maximum daily emissions were obtained by summing daily emissions for construction phases anticipated to occur at the same time and daily emissions were summed over the total daily duration for each phase to obtain total emissions.

Recirculated Draft EIR Appendix N Attachment A Table Emissions Factors: Fugitive Dust for the Proposed Project and Alternatives, column heading on page RE-A-124:

Aggregate Storage Piles,¹ Travel on Unpaved^{2/3}/Paved Road^{4/5}, and Bulldozing⁶

Recirculated Draft EIR Appendix N Attachment A Table SMAQMD Road Construction Emissions Model OFFOAD Equipment Emissions Factors on page RE-A-126:

¹ EPA 2006. AP-42, Chapter 13.2.4 Miscellaneous Sources, Aggregate Storage Piles, Equation 1

² EPA 2006. AP-42, Chapter 13.2.4₂ Miscellaneous Sources, Unpaved Roads, Equation 1a

³ EPA 2006. AP-42, Chapter 13.2.4₂ Miscellaneous Sources, Unpaved Roads, Equation 2

⁴ EPA 2011. AP-42, Chapter 13.2.4₁ Miscellaneous Sources, Paved Roads, Equation 1

⁵ EPA 2011. AP-42, Chapter 13.2.4₁ Miscellaneous Sources, Paved Roads, Equation 2

⁶ EPA 1998. AP-42 Chapter 11.9 Mineral Products Industry, Western Surface Coal Mining, Equation 11.9-1 Bulldozing

Recirculated Draft EIR Appendix N Attachment A Table Proposed Project Dam and Powerhouse Removal, table title on page RE-A-162:

Proposed Project Dam and Powerhouse Removal¹

Recirculated Draft EIR Appendix N Attachment A Table Proposed Project Dam and Powerhouse Removal, new footnote on page RE-A-164:

¹ Equipment quantities and daily use estimates were available for the combined demolition activities that would occur at Copco No. 1 and Copco No. 2 dam complexes. Based on the relative anticipated duration of activities at each site, daily equipment use was apportioned by a factor of 0.7 for Copco No. 1 Dam and 0.3 for Copco No. 2 Dam. Maximum daily emissions were obtained by summing daily emissions for construction phases anticipated to occur at the same time and daily emissions were summed over the total daily duration for each phase to obtain total emissions.

Recirculated Draft EIR Appendix N Attachment A Table Proposed Project Restoration, table title on page RE-A-165:

Proposed Project Restoration¹

Recirculated Draft EIR Appendix N Attachment A Table Proposed Project Restoration Proposed Project Restoration, column headings 16 to 18 on page RE-A-165:

Copco No 1 Diesel Fuel Usage
Copco No 2 Diesel Fuel Usage
Iron Gate Diesel Fuel Usage

Recirculated Draft EIR Appendix N Attachment A Table Proposed Project Restoration, new footnote on page RE-A-165:

¹ Equipment quantities and daily use estimates were available for the combined demolition activities that would occur at Copco No. 1 and Copco No. 2 dam complexes. Based on the relative anticipated duration of activities at each site, daily equipment use was apportioned by a factor of 0.7 for Copco No. 1 Dam and 0.3 for Copco No. 2 Dam. Maximum daily emissions were obtained by summing daily emissions for construction phases anticipated to occur at the same time and daily emissions were summed over the total daily duration for each phase to obtain total emissions.

Recirculated Draft EIR Appendix N Attachment A Table Partial Removal Dam and Powerhouse Removal, table title on page RE-A-173:

Partial Removal Dam and Powerhouse Removal¹

Recirculated Draft EIR Appendix N Attachment A Table Partial Removal Dam and Powerhouse Removal, new footnote on page RE-A-176:

¹ Equipment quantities and daily use estimates were available for the combined demolition activities that would occur at Copco No. 1 and Copco No. 2 dam complexes. Based on the relative anticipated duration of activities at each site, daily equipment use was apportioned by a factor of 0.7 for Copco No. 1 Dam and

0.3 for Copco No. 2 Dam. Maximum daily emissions were obtained by summing daily emissions for construction phases anticipated to occur at the same time and daily emissions were summed over the total daily duration for each phase to obtain total emissions.

Recirculated Draft EIR Appendix N Attachment A Table Partial Removal Restoration, column headings 16 to 18 on page RE-A-177:

Copco No 1 Diesel Fuel Usage
Copco No 2 Diesel Fuel Usage
Iron Gate Diesel Fuel Usage

Recirculated Draft EIR Appendix N Attachment A Table Partial Removal Trips and VMT, table title on page RE-A-178:

Partial Removal Trips and VMT¹

Recirculated Draft EIR Appendix N Attachment A Table Partial Removal Trips and VMT, new footnote on page RE-A-178:

¹ Equipment quantities and daily use estimates were available for the combined demolition activities that would occur at Copco No. 1 and Copco No. 2 dam complexes. Based on the relative anticipated duration of activities at each site, daily equipment use was apportioned by a factor of 0.7 for Copco No. 1 Dam and 0.3 for Copco No. 2 Dam. Maximum daily emissions were obtained by summing daily emissions for construction phases anticipated to occur at the same time and daily emissions were summed over the total daily duration for each phase to obtain total emissions.

Recirculated Draft EIR Appendix N Attachment A Table Two Dam Removal Dam and Powerhouse Removal, table title on page RE-A-186:

Two Dam Removal Dam and Powerhouse Removal¹

Recirculated Draft EIR Appendix N Attachment A Table Two Dam Removal Dam and Powerhouse Removal, new footnote on page RE-A-187:

¹ Equipment quantities and daily use estimates were available for the combined demolition activities that would occur at Copco No. 1 and Copco No. 2 dam complexes. Based on the relative anticipated duration of activities at each site, daily equipment use was apportioned by a factor of 0.7 for Copco No. 1 Dam and 0.3 for Copco No. 2 Dam. Maximum daily emissions were obtained by summing daily emissions for construction phases anticipated to occur at the same time and daily emissions were summed over the total daily duration for each phase to obtain total emissions.

Recirculated Draft EIR Appendix N Attachment A Table Two Dam Removal Restoration, table title on page RE-A-189:

Two Dam Removal Restoration¹

Recirculated Draft EIR Appendix N Attachment A Table Two Dam Removal Restoration, new footnote on page RE-A-189:

¹ Equipment quantities and daily use estimates were available for the combined demolition activities that would occur at Copco No. 1 and Copco No. 2 dam complexes. Based on the relative anticipated duration of activities at each site, daily equipment use was apportioned by a factor of 0.7 for Copco No. 1 Dam and 0.3 for Copco No. 2 Dam. Maximum daily emissions were obtained by summing daily emissions for construction phases anticipated to occur at the same time and daily emissions were summed over the total daily duration for each phase to obtain total emissions.

Recirculated Draft EIR Appendix N Attachment A Table Three Dam Removal Dam and Powerhouse Removal, table title on page RE-A-197:

Three Dam Removal Dam and Powerhouse Removal¹

Recirculated Draft EIR Appendix N Attachment A Table Three Dam Removal Dam and Powerhouse Removal, new footnote on page RE-A-198:

¹ Equipment quantities and daily use estimates were available for the combined demolition activities that would occur at Copco No. 1 and Copco No. 2 dam complexes. Based on the relative anticipated duration of activities at each site, daily equipment use was apportioned by a factor of 0.7 for Copco No. 1 Dam and 0.3 for Copco No. 2 Dam. Maximum daily emissions were obtained by summing daily emissions for construction phases anticipated to occur at the same time and daily emissions were summed over the total daily duration for each phase to obtain total emissions.

Recirculated Draft EIR Appendix N Attachment A Table Three Dam Removal Restoration, table title on page RE-A-200:

Three Dam Removal Restoration¹

Recirculated Draft EIR Appendix N Attachment A Table Three Dam Removal Restoration, column headings 13 to 18 on page RE-A-200:

Copco No 1 Diesel Fuel Usage
Copco No 2 Diesel Fuel Usage
Iron Gate Diesel Fuel Usage

Recirculated Draft EIR Appendix N Attachment A Table Three Dam Removal Restoration, new footnote on page RE-A-200:

¹ Equipment quantities and daily use estimates were available for the combined demolition activities that would occur at Copco No. 1 and Copco No. 2 dam complexes. Based on the relative anticipated duration of activities at each site, daily equipment use was apportioned by a factor of 0.7 for Copco No. 1 Dam and 0.3 for Copco No. 2 Dam. Maximum daily emissions were obtained by summing daily emissions for construction phases anticipated to occur at the same time and daily emissions were summed over the total daily duration for each phase to obtain total emissions.