

EARBA STORAGE

A GILKES ENERGY COMPANY

Earba Pumped Storage Hydro Scheme EIA Report

Appendix 18.3: Offsite Construction Traffic Noise Impact Assessment

February 2024



Quality Information

Prepared by

SLR Consulting

Checked by

Chris Pasteur

Approved by

Gavin McGill

Revision History

Revision

01

Revision Date

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Details

Issue to ECU

Authorised

Gavin McGill

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Appendix 18.3 Construction Traffic Noise Impact Assessment

24 Hour Average Daily Traffic Data (2029)

Site Ref	Survey Location	Cars & LGV	HGV	Total
1	A86 Site Access	920	74	995
2	A86 Spean Bridge	2,226	253	2,479
3	A889 North of Dalwhinnie	960	90	1,051
4	A86 West of Newtonmore	785	190	976
5	A9 North of Kingussie	8,419	2,347	10,766
6	A9 South of Dalwhinnie	8,404	2,140	10,544
7	A82 North of Spean Bridge	3,279	799	4,078
8	A82 North of Corpach	4,859	366	5,224

2029 Future Baseline + Construction Peak Traffic Summary

Site Ref	Survey Location	Cars & LGV	HGV	Total Traffic	Cars & LGV % Increase	HGV % Increase	Total Traffic % Increase
1	A86 Site Access	1,262	120	1,383	37.2%	62.5%	39.0%
2	A86 Spean Bridge	2,303	253	2,556	3.5%	0.0%	3.1%
3	A889 North of Dalwhinnie	1,041	118	1,158	8.4%	30.6%	10.3%
4	A86 West of Newtonmore	970	209	1,179	23.5%	9.7%	20.8%
5	A9 North of Kingussie	8,573	2,365	10,938	1.8%	0.8%	1.6%
6	A9 South of Dalwhinnie	8,484	2,168	10,652	1.0%	1.3%	1.0%
7	A82 North of Spean Bridge	3,310	799	4,109	0.9%	0.0%	0.8%
8	A82 North of Corpach	4,905	366	5,271	1.0%	0.0%	0.9%

Noise Modelling Exercise- 2029 (Baseline No Construction) AADT

Site Ref	Survey Location	Mean Speed (km/h)	BNL dB LA10	HGV Correction +dB	BNL Incl HGV'
1	A86 Site Access	96	59.1	18.1	77.2
2	A86 Spean Bridge	96	63.0	19.5	82.5
3	A889 North of Dalwhinnie	96	59.3	18.7	78.1
4	A86 West of Newtonmore	96	59.0	22.2	81.2
5	A9 North of Kingussie	96	69.4	22.7	92.2
6	A9 South of Dalwhinnie	96	69.3	22.4	91.8
7	A82 North of Spean Bridge	96	65.2	22.3	87.5
8	A82 North of Corpach	96	66.3	17.9	84.2

Noise Modelling Exercise- 2029 (Baseline + Peak Construction) AADT

Site Ref	Survey Location	Mean Speed (km/h)	BNL dB LA10	HGV Correction +dB	BNL Incl HGV'
1	A86 Site Access	96	60.5	18.8	79.3
2	A86 Spean Bridge	96	63.2	19.4	82.5
3	A889 North of Dalwhinnie	96	59.7	19.5	79.2
4	A86 West of Newtonmore	96	59.8	21.8	81.7
5	A9 North of Kingussie	96	69.5	22.7	92.2
6	A9 South of Dalwhinnie	96	69.4	22.4	91.8
7	A82 North of Spean Bridge	96	65.2	22.2	87.5
8	A82 North of Corpach	96	66.3	17.8	84.2

Noise Change – AADT 2029 Baseline + Construction from AADT 2029 Baseline

Site Ref	Survey Location	Noise Change dB
1	A86 Site Access	2.1
2	A86 Spean Bridge	0.0
3	A889 North of Dalwhinnie	1.2
4	A86 West of Newtonmore	0.4
5	A9 North of Kingussie	0.0
6	A9 South of Dalwhinnie	0.1
7	A82 North of Spean Bridge	0.0
8	A82 North of Corpach	0.0