

Route to Net Zero – Group Work

FIVE key areas defined: 1. Procurement, management, disposal of materials, 2. Transport. 3. Main line construction. 4. Crossings, and AGIs. 5 Camps

Brainstorm areas for improvement / GHG reduction in small groups

Whole group: rank according to ease/difficulty and potential to reduce GHG emissions.

Could consider more dimensions especially cost and timescales

Ranking Chart

Key process considerations

Process chart

Presentation

Questions? Suggestions!!

Ranking and priorities

Difficulty vs Effectiveness of Carbon Reducing Initiatives

| | | | | |
|------------|--------|---|---|---|
| Difficulty | Easy | Paperless Climate Offsetting | Material Management (Recycling) Induction Heating | HVO Biofuel Transportation Group Transportation Rail Transport Value Engineering Welding Techniques Excavation Recycling |
| | Medium | Biodiversity Offsetting | Material Selection & Alternative Materials Modular Camps Local Renewable Generation | Electric Transportation Logistics Optimization Schedule Optimization Grid Supply Electric Plant |
| | Hard | | Local Sourcing | Sustainable Sourcing H ₂ Transportation Re-use of Assets Government Incentive |
| | | Low | Medium | High |
| | | Effectiveness (CO ₂ Reduction) | | |

Route to Net Zero - Process

1 Baseline measurement.

2 Benchmarks

3 Incentives and KPIs

4 Innovation!

5 Communication and training