Towards Scope 3 Emissions Reductions

Reem Radwan Sustainability Digital Enablement Program Manager June 22nd, 2022





Greenhouse Gas Protocol



Scope 1 Direct Company facilities and Company vehicles Scope 2 Indirect Purchased electricity, steam, heating and cooling for own use

Scope 3 Upstream Indirect

- Purchased goods and services
- 2 Capital goods
- 3 Fuel and energy related activities
- 4 Transportation and distribution
- 5 Waste generated in operations
- 6 Business travel
- **7** Employee commuting
- Leased assets

Scope 3 Downstream Indirect

- Transportation and distribution
- Processing of sold products
- Use of sold products
- 2 End-of-life treatment of sold products
- 13 Leased assets
- If Franchises
- 15 Investments





Our Targets



Our Inventory Process



Followed the GHG Protocol Standard for Scope 3



Our Baseline Emission Inventory





Cradle-to-Gate Emissions from Purchased Goods and Services

Dollars spent x inflation factor x retail markup x GHG conversion factor = tonnes CO2e



Green indicates conversion factors from published economic input/output method databases



Scope 3 - CDP Climate Disclosure for Suppliers



- Supplier selection pick the ones that matter
- Improving quality of disclosure data, leveraging mature suppliers
- Identify emissions deduction initiatives with suppliers



Service Delivery Example – Offshore Cement Unit



Schlumberger

Product Screening for Use-Phase Emission of GHG



Product portfolio has meaningful use-phase footprint



Technology Substitution



Schlumberger GHG Inventory

Example: sell **10** subsea boosters at 160 GWh lifetime each

~820 k tonnes CO2e lifetime

Compared to gas lift at: ~2,130 k tonnes CO2e lifetime

Customer Impact – Avoided Emissions



Emission savings from choosing one product vs. another



Example: Subsea boosting avoids estimated 62% of lifetime emissions when compared to gas lift



SLB corporate inventory increases from the sale of subsea boosters, while operators benefit from GHG savings*



GHG Protocol allows us to report avoided emissions separately from our corporate inventory



Partnership along the Value Chain

Offering a Complete End-to-End Service







Let's build the **best version of our industry**

Together, we can...



