|    | A                              | В        |
|----|--------------------------------|----------|
| 1  | <b>Guiding Principle</b>       | Action # |
| 2  |                                | 1        |
| 3  |                                | 2        |
| 4  | GP-1                           | 3        |
| 5  | Continually Reduce             | 4        |
| 6  | Methane Emissions              | 5        |
| 7  |                                | 6        |
| 8  | GP-2                           | 7        |
| 9  | Gas Value Chains               | 8        |
| 10 | GP-3                           | 9        |
| 11 | Improve Data                   | 10       |
| 12 | Accuracy                       | 11       |
| 13 | GP-4                           | 12       |
| 14 | Sound Advocacy &               | 13       |
| 15 | GP-5                           | 14       |
| 16 | Transparency, Communications & | 15       |
| 17 | Reporting                      | 16       |

| -  | C  |
|----|--|
| 1  | Action   |
| 2  | Develop and embed carbon price to support operational interventions to deliver Real Sustainable Reductions and Methane Intensity Targets     |
| 3  | Develop and implement a Near Zero Methane Project Standard   |
| 4  | Update L48 Facility Design Manual (FDM) to incorporate design focus on reducing methane emissions from new & modified facilities             |
| 5  | Develop integrated methane technology plan to drive reductions in methane emissions in projects  |
| 6  | Develop and execute prioritised plan to drive significant reductions in operational flaring emissions (prioritising Angola)                  |
|    | Develop and execute prioritised plan to reduce L48 methane emissions from pneumatic controllers and pumps and develop long term solution for |
| 7  | remote power   |
| 8  | Develop and execute prioritised plan to influence reduction of methane emissions in non-operated JVs   |
| 9  | Build on blockchain project to develop accredited low emissions gas scheme for the gas value chain   |
| 10 | Develop integrated methane technology plan to drive improvements in methane data accuracy  |
| 11 | Develop plan to evaluate and improve the accuracy of flare emissions data (metered volumes & combustion efficiency)                          |
| 12 | Design and implement a standardised Upstream Leak Detection and Repair (LDAR) programme  |
| 13 | Develop and implement consistent Group, Segment and Regional policies and advocacy positions on methane                                      |
| 14 | Develop and implement US methane advocacy plan   |
| 15 | Deliver External Gas & Methane Communications Campaign to demonstrate BP's leadership on methane   |
|    | Develop and deliver internal communications plan to educate BP employees on carbon and methane science and BP's role in reducing             |
| 16 | carbon/methane emissions   |
| 17 | Develop industry leading position on methane reporting transparency  |

|    | Ъ    | Е              |  |  |  |  |  |  |
|----|------|----------------|--|--|--|--|--|--|
|    | D    | _              |  |  |  |  |  |  |
| 1  | Year | Owner          |  |  |  |  |  |  |
| 2  | 2018 | Gordon Birrell |  |  |  |  |  |  |
| 3  | 2019 | David O'Connor |  |  |  |  |  |  |
| 4  | 2019 | David Lawler   |  |  |  |  |  |  |
| 5  | 2019 | Ahmed Hashmi   |  |  |  |  |  |  |
| 6  | 2020 | Fuzzy Bitar    |  |  |  |  |  |  |
| 7  | 2020 | David Lawler   |  |  |  |  |  |  |
| 8  | 2019 | Fuzzy Bitar    |  |  |  |  |  |  |
| 9  | 2020 | Morag Watson   |  |  |  |  |  |  |
| 10 | 2018 | Ahmed Hashmi   |  |  |  |  |  |  |
| 11 | 2019 | Fuzzy Bitar    |  |  |  |  |  |  |
| 12 | 2019 | Fuzzy Bitar    |  |  |  |  |  |  |
| 13 | 2018 | Dominic Emery  |  |  |  |  |  |  |
| 14 | 2018 | Mary Streett   |  |  |  |  |  |  |
| 15 | 2019 | Rachel Woods   |  |  |  |  |  |  |
| 16 | 2019 | Steve Shaw     |  |  |  |  |  |  |
| 17 | 2020 | Dave King      |  |  |  |  |  |  |

| <b>A</b> | . В                                     | B C D D Upstream Methane Plan - L48 Actions  |   |            |              |  |  |
|----------|---|--|---|------------|--------------|--|--|
| 1        |   |  |   |            |              |  |  |
| 2        | <b>Guiding Principle</b>                | Actio<br>n#  | Action  | Year       | Owner        |  |  |
| 3        |   | 1  | Real Sustainable Reduction - Methane L48 committed to reducing CO2e emission by 700,000 MT CO2e between 2017 and 2025 versus 2016 CO2e baseline inventory a. 350,000 MT CO2e to be reduced between 2017 and 2019 b. 350,000 MT CO2e to be reduced between 2020 and 2025   | 2019+      | Dave Lawler  |  |  |
| 4        |   | 2  | <b>LDAR</b> Focus on find and fix LDAR. Implement LDAR prioritized on 30% of production in 2018/19, 60% of production in 2019/20, and 100% of production by 2020/21. Perform LDAR utilizing existing technology and continue trials to identify efficient and effective alternative means to accomplish LDAR aligned with L48 IO mission. | 2018/19/20 | Dave Lawler  |  |  |
| 5        |   | 3  | Remote Power Initiate further evaluation in 2018 of additional remote power options for L48's dispersed facilities for pneumatic controllers and pumps.   | 2018/19    | Dave Lawler  |  |  |
| 6        | <b>GP-1</b><br>Continually              | 4  | High Bleed Controller Replacement Replace all HB's in L48 by mid 2019.  | 2019       | Brian Pugh   |  |  |
| 7        | Reduce Methane                          | 5  | NBU Pneumatic Pumps (Heat Trace Pumps) Install identified technology (T12 temp switches) in west area of NBU.   | 2018       | Brian Pugh   |  |  |
| 8        |   | 6  | NBU Pneumatic Pump & Liquid Unloading Trials Continue ongoing trials, solar pumps, routing pump vents to location fired equipment, removing select pumps, placing pumps in series and Project Kelvin.   | 2018/19    | Brian Pugh   |  |  |
| 9        |   | 7  | Select and Implement Trialed Technology Select technologies to be implemented L48 wide and execute successfully piloted technologies for pneumatic pumps, liquids unloading and LDAR.   | 2019+      | Dave Lawler  |  |  |
| 10       |   | 8  | Crowd Source Pneumatic Solution Use crowd-sourcing or other creative ways to find solutions to the big problem, e.g. pneumatics.  | 2019       | Dave Lawler  |  |  |
| 11       |   | 9  | L48 Facility Design Manual (FDM) Update FDM to incorporate design focus on reducing methane emissions from new & modified facilities as appropriate.  | 2019       | Dave Lawler  |  |  |
| 12       | GP-2 Advance strong methane performance | GP-2 dvance strong methane  1 API Environmental Partnership Take a leading role in driving forward the Environmental Partnership and identifying natural gas value chain partners to join the program. |   |            |              |  |  |
| 13       | across the gas value chain              | 2  | L48 NOJV's Build NOJV and other business partners into L48 Carbon Road Map.   | 2020+      | Dave Lawler  |  |  |
| 14       |   | 1  | L48 Emission Inventory Improvement  Hold peer assist to review L48 internal GHG calculation approach (inventory, emission factors, calculation methodology). Implement annual review of internal GHG approach and emissions by L48 RCE Mgr.   | 2018       | Kola Fagbayi |  |  |

#F, L48 Actions #D

|    | G                           |
|----|-----------------------------|
| 1  |                             |
| 2  | Responsible                 |
| 3  | Brian Pugh/ Kola<br>Fagbayi |
| 4  | Brian Pugh                  |
| 5  | Kola Fagbayi                |
| 6  | Will Burton                 |
| 7  | Kevin Lanan                 |
| 8  | Kevin Lanan                 |
| 9  | Brian Pugh                  |
| 10 | Kola Fagbayi                |
| 11 | Kola Fagbayi                |
| ·  | Kola Fagbayi                |
| 12 |                             |
| 13 | Kola Fagbayi                |
| 14 | Bob Chou                    |

#F, L48 Actions #D

|    | В   | D   | E   | F                               |  |  |  |
|----|---|---|---|---------------------------------|--|--|--|
| 15 | GP-3 Improve accuracy                       | Leak Detection & Quantification Trials  Continue current and proposed expanded leak detecti  Providence, drones, satellites, Rebellion). Continue e governance of emerging technology.                |   | Kola Fagbayi                    |  |  |  |
| 16 | of methane<br>emissions data                | Peer Benchmarking Develop benchmarking approach to understand peer per per per per per per per per pe   | 2019<br>performance and best practices in methane | Dave Lawler /<br>Gordon Birrell |  |  |  |
| 17 |   | GHG Reporting - Data Improvement Ensure accuracy of data in L48's systems of record th calculations; including equipment inventory, production events (i.e. liquid unloading).                        |   | Brian Pugh                      |  |  |  |
| 18 |   | Methane Leadership Define what methane leadership means for L48. Refr support that definition.  | 2018<br>ame L48 Carbon Road Map to align and      | Kola Fagbayi                    |  |  |  |
| 19 |   | US/L48 Communications Plan Develop and implement US/L48 methane communica Campaign, US Advocacy Principles and "what we star  |   | Mary<br>Streett/Kola<br>Fagbayi |  |  |  |
| 20 | <b>GP-4</b> Advocate sound                  | State Industry Group Participation  Develop state industry group participation level for me lead from within, participation, observe).  | thane related issues (for each state) (chair,     | Steve DeGiusti                  |  |  |  |
| 21 | policy and regulations on methane emissions | L48 Tactical Advocacy Strategy Develop list of top 5 advocacy points associated with developed advocacy strategy. Continue to implement of the US Advocacy Plan and the "what we stand for".          |   | Kola Fagbayi                    |  |  |  |
| 22 |   | <b>L48 Leadership Workshop</b> Develop and conduct a L48 Leadership workshop.   | 2019  | Dave Lawler                     |  |  |  |
| 23 |   | Develop a L48 "Methane Mindset"  Develop communications to engage leaders and work mindset.   | force to build zero methane emissions             | Dave Lawler                     |  |  |  |
| 24 |   | <ul> <li>API Environmental Partnership</li> <li>Develop API Environmental Partnership Plan to define how L48 participates in the broader mission of industry collaboration in the program.</li> </ul> |   |                                 |  |  |  |
| 25 | GP-5<br>Increase<br>transparency            | Communicate Externally on L48 Actions Report on L48 historical and current actions to proacti Group Sustainability Report & US/ L48 External Comr   |   | Dave Lawler                     |  |  |  |

|    | G   |
|----|---|
|    | Kirk Steinle                                    |
| 15 |   |
| 16 | Kola Fagbayi (US)<br>and Liz Rogers<br>(Global) |
| 17 | Will Burton                                     |
| 17 | Kirk Steinle                                    |
| 18 | NIK Stellile                                    |
|    | Liz Sidoti                                      |
| 19 |   |
| 20 | Gabrielle Sitomer/ Kirk<br>Steinle              |
| 21 | Dana Wood                                       |
| 22 | Kola Fagbayi                                    |
| 23 | Kola Fagbayi                                    |
| 24 | Kirk Steinle                                    |
| 25 | Kola Fagbayi                                    |
|    |   |

#F, L48 Actions #D

|          | Α           | В   |
|----------|-------------|---|
|          | Action      | Action  |
|          | #           |   |
|          | "           |   |
| 1        |             |   |
|          |             | Develop and embed carbon price to support operational interventions to deliver Real Sustainable Reductions and  |
| 2        | 1           | Methane Intensity Targets   |
| 3        | 1.1         | Develop proposal for a carbon price for operations including how this could be embedded through existing processes  |
| 4        | 1.2         | Roll out carbon price approach across Group (subject to learnings from 1.1)   |
| 5        | 1.3         | Develop Group-level carbon forecast and pricing model with 10-year projection and embed in planning process   |
| 6        | 2           | Develop and implement plan to deliver 'Near Zero' Methane Emissions in Upstream   |
| 7        | 2.1         | Revisit GPO Carbon Principles and include specific guidance to project teams emphasising the focus on methane.  |
| 8        | 2.2         | Review current methane emissions performance from equipment sources across upstream (e.g. flare, vapour recovery, flanges, valves, compressor seals etc)      |
| 9        | 2.3         | Assess and recommend the best available technologies for methane source control for use across upstream   |
| 10       | 2.4         | Review actions from other relevant industry projects for potential inclusion into JIP 33  |
| 11       | 2.5         | Benchmark and internally report the methane 'intensity' of projects in Appraise and Select  |
| 12       | 2.6         | Review inclusion of low emission (CO2 and CH4) specs as part of scope of work for next phase of JIP 33  |
| 13       | 2.7         | Review how to set and verify GHG/methane emissions targets for commissioning and start up and incorprate into GPO carbon principles                           |
|          |             | Define process to integrate well flowback considerations GWO considerations into project concepts and incorporate into rapid screening assessment / project   |
| 14       | 2.8         | concept selection process   |
| 4.5      | 0.0         | Engage with suppliers on low carbon (methane and CO2) at supplier contractor forums to identify next generation of low emission technologies (supplier led    |
| 15<br>16 | 2.9<br>2.91 | solutions) GFH (Global Facilities Hardware) to require suppliers of equipment to provide GHG operational performance data specifications                      |
| 10       | 2.91        | GETT (Global Facilities Hardware) to require suppliers of equipment to provide GFTG operational performance data specifications                               |
| 17       | 2.92        | Lead development of Methane Reducing Best Practices (Methane Guiding Principles) and share implementation strategies e.g. engineering practics and procedures |
| 18       | 2.93        | Update L48 Facility Design Manual (FDM) to incorporate design focus on reducing methane emissions from new & modified facilities                              |
| 19       | 3           | Develop and implement prioritised plan to drive significant reductions in operational flaring emissions (prioritising   |
| 20       | 3.1         | Agree and implement plan to enable (Angola) PSVM and (N.Sea) Glen Lyon to operate to their low-emission designs   |
| 21       | 3.2         | Develop Segment Flaring Practice to drive improved flaring performance in the regions   |
| 22       | 3.3         | Develop plan to change operational mindset (GOO leadership to operators) to continually improve flare performance   |
| 23       | 3.4         | Implement plan to instill operational mindset to continually improve flare performance  |
|          | 4           | Develop and implement prioritised plan to reduce L48 methane emissions from pneumatic controllers and pumps and   |
| 24       |             | develop long term solution for remote power   |
| 25       | 4.1         | Remote Power: Initiate further evaluation in 2018 of additional remote power options for L48's dispersed facilities for pneumatic controllers and pumps.      |
| 26       | 4.2         | High Bleed Controller Replacement: Replace all HB's in L48 by mid 2019.   |
| 27       | 4.3         | NBU Pneumatic Pumps (Heat Trace Pumps): Install identified technology (T12 temp switches) in west area of NBU.  |
|          |             | NBU Pneumatic Pump & Liquid Unloading Trials: Continue ongoing trials, solar pumps, routing pump vents to location fired equipment, removing                  |
| 28       | 4.4         | select pumps, placing pumps in series and Project Kelvin.   |
|          | 4 -         | Select and Implement Trialed Technology: Select technologies to be implemented L48 wide and execute successfully piloted technologies for                     |
| 29       | 4.5         | pneumatic pumps, liquids unloading and LDAR.  |
| 30       | 4.6         | Crowd Source Pneumatic Solution: Use crowd-sourcing or other creative ways to find solutions to the big problem, e.g. pneumatics.                             |
| 31       | 5           | Develop and implement prioritised plan to influence reduction of methane emissions in non-operated JVs  |
| 32       | 5.1         | Develop plan to influence PAE to reduce methane emissions with focus on largest sources (e.g. venting)  |
| 33       | 5.2         | Develop plan to influence GUPCO to reduce methane emissions with focus on largest sources (e.g. venting)  |
| 34       | 5.3         | Develop plan to influence L48 NOJV partners to reduce methane emissions with focus on largest sources   |

|    | С       | D                       | Е                             | F                     | G                 | Н                                     | I                          | J                         | K                 |   | L |
|----|---------|-------------------------|-------------------------------|-----------------------|-------------------|---------------------------------------|----------------------------|---------------------------|-------------------|---|---|
|    | Date    | Accountable             | Responsible                   |                       |                   |                                       | Est. Front line            |                           |                   |   |   |
|    |         |                         | ·                             | mileetene             |                   | Fot Coat to                           | time to                    |                           | No. of new<br>OMS |   |   |
|    |         |                         |                               | milestone agreed with |                   | Est. Cost to Complete                 | implement the action (days | documents will need to be | documents         |   |   |
| 1  |         |                         |                               | _                     | Comments/Querie   | · · · · · · · · · · · · · · · · · · · | effort)                    | changed                   | needed            |   |   |
|    |         |                         |                               | Owner (1/14)          | Comments/Quent    | Action (\$)                           | enort)                     | Changeu                   | needed            | 1 |   |
| 2  | 2019    | Gordon Birrell          |                               |                       |                   |                                       |                            |                           |                   |   |   |
| 3  | 3Q18    | Gordon Birrell          | Bruce Price                   | yes                   |                   |                                       |                            |                           |                   |   |   |
| 4  | 2019    | Dominic Emery           | Dominic Emery                 | yes                   |                   |                                       |                            |                           |                   |   |   |
|    | 2Q18    | Dominic Emery           | Dominic Emery                 | yes                   |                   |                                       |                            |                           |                   | 4 |   |
|    | 2019    | David O'Connor          | Richard Mortimer              |                       | _                 |                                       |                            |                           |                   | 4 |   |
| 7  | 2Q18    | Richard Mortimer        | Amrita Lulla and John Kennedy | yes                   |                   |                                       |                            |                           |                   | 4 |   |
| 8  | 3Q18    | Aleida Rios             | Amrita Lulla and John Kennedy | no                    | need follow up co | nversation with                       | Aleida, M. Lane            | y will confirm G          | WO tag            | 4 |   |
| 9  | 3Q18    | Aleida Rios             | Amrita Lulla and John Kennedy | no                    | need follow up co |                                       |                            |                           |                   | 1 |   |
| 10 | 3Q18    | Richard Mortimer        | Amrita Lulla and John Kennedy | yes                   | •                 |                                       |                            |                           |                   | 1 |   |
| 11 | 3Q18    | Richard Mortimer        | Amrita Lulla and John Kennedy | yes                   |                   |                                       |                            |                           |                   | ١ |   |
| 12 | 4Q18    | Richard Mortimer        | Amrita Lulla and John Kennedy | yes                   |                   |                                       |                            |                           |                   |   |   |
| 13 | 4Q18    | Richard Mortimer        | Amrita Lulla and John Kennedy | yes                   |                   |                                       |                            |                           |                   | 4 |   |
| 14 | 4Q18    | Richard Mortimer        | Amrita Lulla and John Kennedy | yes                   | M. Laney will con | M. Laney will confirm a GWO tag.      |                            |                           |                   |   |   |
| 15 | 1Q19    | Aleida Rios             | Amrita Lulla and John Kennedy | yes                   | M. Laney will con | firm a GWO tag                        |                            |                           |                   | 4 |   |
|    | 1Q19    | Richard Mortimer        | Amrita Lulla and John Kennedy | yes                   |                   |                                       |                            |                           |                   | 1 |   |
|    |         |                         | ,                             |                       |                   |                                       |                            |                           |                   | 1 |   |
| 17 | 4Q18    | Dave King               | Sue Ford                      | yes                   |                   |                                       |                            |                           |                   |   |   |
| 18 | 2019    | David Lawler            | Kola Fagbayi                  | yes                   |                   |                                       |                            |                           |                   |   |   |
| 9  | 2020    | Fuzzy Bitar             | Matt Werner                   |                       |                   |                                       |                            |                           |                   |   |   |
| 20 | 3Q18    | Matt Werner             | Roger Boyce / Andy Johnston   | yes                   |                   |                                       |                            |                           |                   |   | i |
| 21 | 4Q18    | Dave Wall               | Doog Wright & Graeme Gordon   | yes                   | M. Laney will con | firm a GWO tag                        |                            |                           |                   |   |   |
| 22 | 4Q18    | Gio Cristofoli          | Graeme Gordon                 | yes                   |                   |                                       |                            |                           |                   |   |   |
| 23 | 4Q19    | Gio Cristofoli          | Graeme Gordon                 | yes                   |                   |                                       |                            |                           |                   |   |   |
| 24 | 2020    | David Lawler            |                               |                       |                   |                                       |                            |                           |                   |   |   |
| 25 | 2018/19 | Dave Lawler             | Kola Fagbayi                  | yes                   |                   |                                       |                            |                           |                   |   |   |
| 26 | 2019    | Brian Pugh              | Will Burton                   | yes                   |                   |                                       |                            |                           |                   |   |   |
|    | 2018    | Brian Pugh              | Kevin Lanan                   | yes                   |                   |                                       |                            |                           |                   | 1 |   |
|    | 2018/19 | Brian Pugh              | Kevin Lanan                   |                       |                   |                                       |                            |                           |                   |   |   |
| 28 |         | <del>-</del> <b>-</b> - |                               | yes                   |                   |                                       |                            |                           |                   |   |   |
|    | 2019+   | Dave Lawler             | Brian Pugh                    |                       |                   |                                       |                            |                           |                   | 1 |   |
| 29 |         | -                       | 3                             | yes                   |                   |                                       |                            |                           |                   |   |   |
|    | 2019    | Dave Lawler             | Kola Fagbayi                  | yes                   |                   |                                       |                            |                           |                   |   |   |
|    | 2019    | Fuzzy Bitar             |                               |                       | Should we confi   | rm GWO tag fo                         | r any of the ac            | tions in this ca          | tegory?           |   |   |
|    | 2019    | Andy Collins            | Alison Young                  | no                    | Alison working or |                                       | _                          |                           |                   | j |   |
|    | 2019    | Andy Collins            | Alison Young                  | no                    | Alison working or |                                       |                            |                           |                   | 1 |   |
|    | 2019    | Dave Lawler             | Kola Fagbayi                  | yes                   | Ĭ                 |                                       |                            |                           |                   | 1 |   |

|    | A     | В  |
|----|-------|--|
| 35 | 5.4   | Develop strategy with the World Bank to influence flaring performance in Iraq (Rumaila)  |
| 36 | 5.5   | Develop plan to encourage Rosneft to join the Methane Guiding Principles   |
| 37 | 5.6   | Develop process to generate robust forecast for NOJV methane emissions   |
| 38 | 5.7   | Equip OBO Business Managers to actively influence OBO projects and operations partners to lower carbon intensity (incl. methane)   |
| 39 | 6     | Build on blockchain project to develop accredited low emissions gas scheme for the gas value chain   |
| 40 | 6.1   | Review current portfolio already using xPansiv platform  |
|    |       |  |
| 41 | 6.2   | Identify and engage suitable partners (inc. suppliers, partners Alternative Energy and IST) to develop accredited low emissions scheme for the gas value chain             |
| 42 | 6.3   | Determine across L48, IST AE - (Gas & Environmental products) acrreditation benchmarks and strategy  |
| 43 | 6.4   | Work with industry partners (e.g. OGCI) to define industry methodology for determining methane emissions across the value chain  |
| 44 | 6.5   | Work with industry partners (e.g. OGCI) to define what 'near-zero methane emissions' means for the value chain   |
|    | 7     | Develop and implement integrated methane technology plan to drive improvements in methane data accuracy and  |
| 45 | ′     | support operational reductions   |
| 46 | 7.1   | Develop a plan to use analytics to identify and quantify methane sources (including wells) and inform methane management interventions                                     |
| 47 | 7.2   | Complete full stack test Ground, Flight & Orbit to proove measurement accuracy and technology choices  |
| 48 | 7.3   | Run proof of concept for drone-mounted OGI camera in operations, DIO with L48  |
|    |       | Leak Detection & Quantification Trials: Continue current and proposed expanded leak detection and quantification trials (mAIRsure, Providence,                             |
| 49 | 7.4   | drones, satellites, Rebellion). Continue evaluation and decision through L48 governance of emerging technology.  |
|    |       | Develop an upstream prioritised plan to achieve continuous methane monitoring using top down and bottom up emissions monitoring technologies                               |
| 50 | 7.5   | enabling real time data collection, integration and analysis to inform decision making   |
|    |       |  |
| 51 | 7.6   | Identify and trial at a site technology to improve flaring performance (e.g. technology to better monitor / detect unlit flare to allow pilot/purge rates to be minimised) |
| 52 | 7.7   | Complete heat map of methane related technology projects across all of BP (DIO, L48, Upstream etc)   |
| 53 | 7.8   | Lead cross functional workshop (including DIO, IST, Tech) to agree methane technology focus areas and delivery of technology programmes                                    |
| 54 | 7.9   | Finalise integrated methane technology plan  |
| 55 | 7.10. | Identify suitable test sites in BP for trialing methane detection and reduction technologies, e.g. wellsite power generation   |
| 56 | 8     | Develop plan to evaluate and improve the accuracy of flare emissions data (metered volumes & combustion efficiency)  |
| 57 | 8.1   | Evaluate flare uncertainty (metering and combustion) across GOO operations   |
| 58 | 8.2   | Develop a plan to evaluate flare uncertainty in GWO operations   |
| 59 | 8.3   | Define flare metering performance requirements and build maintenance requirements into existing maintenance processes  |
| 60 | 8.4   | Define flare combustion performance requirements and build maintenance requirements into existing maintenance processes  |
| 61 | 8.5   | Repair non-functioning flare meters in Angola  |
| 62 | 8.6   | Develop plan to deliver flare metering and combustion performance requirements across GOO  |
| 63 | 9     | Design and implement a standardised Upstream Leak Detection and Repair (LDAR) programme  |
| 64 | 9.1   | Define GOO LDAR requirements   |
| 65 | 9.2   | Embed standardised LDAR programme across GOO   |
|    |       | Implement find and fix LDAR programme in L48: prioritized on 30% of production in 2018/19, 60% of production in 2019/20, and 100% of production by                         |
|    | 0.5   | 2020/21. Perform LDAR utilizing existing technology and continue trials to identify efficient and effective alternative means to accomplish LDAR                           |
| 66 | 9.3   | aligned with L48 IO mission.   |
| 67 | 10    | Develop and implement consistent Group, Segment and Regional policies and advocacy positions on methane  |
| 68 | 10.1  | Refresh the IMWG purpose and process amd associated Advocacy Governance to make it fit for purpose to deal with fast-paced issues such as this                             |
|    | 40.0  | Develop global advocacy principles for methane regulation and feed conclusions into the advocacy priority action within Methane Guiding Principles led by EXM/Shell        |
| 69 | 10.2  | (note this milestone links to 11.1)  |
| 70 | 10.3  | Review and make recommendation on future and continued participation in all methane-related voluntary programmes   |

|          | С            | D                          | E                           | F          | G                 | Н              | I                 | J               | K               | L           | М            |
|----------|--------------|----------------------------|-----------------------------|------------|-------------------|----------------|-------------------|-----------------|-----------------|-------------|--------------|
|          | 4Q19         | Dave King                  | Sue Ford                    | yes        |                   |                |                   |                 |                 |             |              |
|          | 4Q18         | David Campbell             | Chris Mawer                 | yes        |                   |                |                   |                 |                 |             |              |
|          | 2019         | Andy Collins               | Alison Young                | no         | Alison working on |                |                   |                 |                 |             |              |
| _        | 2019         | Andy Collins               | Alison Young                | no         | Alison working on |                |                   |                 |                 |             |              |
|          | 2020         | Morag Watson               |                             |            | If Morag, Julian  | do not already | have a clear G    | WO tag, M. Lar  | ney will work w | ith them    | to confirm   |
| 40       | 4Q18         | Morag Watson               | Julian Gray                 | yes        |                   |                |                   |                 |                 |             |              |
| 41       | 4Q19         | Morag Watson               | Julian Gray                 | yes        |                   |                |                   |                 |                 |             |              |
|          | 4Q19         | Morag Watson               | Julian Gray                 | yes        |                   |                |                   |                 |                 |             |              |
|          | 4Q18         | Liz Rogers                 | Muhunthan Sathiamoorthy     | yes        |                   |                |                   |                 |                 |             |              |
| 44       | 4Q18         | Liz Rogers                 | Muhunthan Sathiamoorthy     | yes        |                   |                |                   |                 |                 |             |              |
|          | 2018         | Ahmed Hashmi               | Ahmed Hashmi                |            | Doliver integrate | d Mathana Tag  | hnology from      | including obs   | anad aamnanar   | to oo th    | a autaama    |
| 45<br>46 | 4Q18         | Morag Watson               | Julian Gray                 | Vec        | Deliver integrate | wethane rec    |                   | ; including sna |                 | its, as tir | e outcome    |
|          | 4Q18         | Morag Watson               | Julian Gray                 | yes<br>yes |                   |                |                   |                 |                 |             |              |
|          | 4Q18         | Morag Watson               | Julian Gray                 | yes        |                   |                |                   |                 |                 |             |              |
|          | 4Q18         | Kola Fagbayi               | Kirk Steinle                | yes        |                   |                |                   |                 |                 |             |              |
| 49       | 4010         | Rola i agbayi              | Mik Stellile                | yes        |                   |                |                   |                 |                 |             |              |
| 50       | 2Q19         | Morag Watson               | Julian Gray                 | yes        |                   |                |                   |                 |                 |             |              |
|          |              |                            |                             |            |                   |                |                   |                 |                 |             |              |
|          | 4Q18         | Ahmed Hashmi               | Dan Touzel                  | yes        | M. Laney will con | firm a GWO tag | . Alaska trial co | mplete and data | being assessed  | d, results  | to inform th |
|          | 2Q18         | Ahmed Hashmi               | Peter Evans                 | yes        |                   |                |                   |                 |                 |             |              |
|          | 3Q18         | Ahmed Hashmi               | Peter Evans                 | yes        |                   |                |                   |                 |                 |             |              |
|          | 4Q18         | Ahmed Hashmi               | Peter Evans                 | yes        |                   | 40/0 N-4-      | 414-004/0-1       |                 | T               | 4           |              |
|          | 2019         | Ahmed Hashmi               | Ahmed Hashmi                | yes        | call with Ahmed   | on 16/8 Note   | tnat GWO is v     | working with D. | l ouzei on aroi | ne tecnno   | ology proje  |
|          | 2019         | Fuzzy Bitar                | Fuzzy Bitar                 |            |                   |                |                   |                 |                 |             |              |
|          | 4Q18         | Matt Werner                | Ian Alleyne                 | yes        |                   |                |                   |                 |                 |             |              |
|          | 2019         | Andy Kreiger               | Margaret Laney              | yes        |                   |                |                   |                 |                 |             |              |
|          | 2019         | Matt Werner                | Steve Beamer                | yes        |                   |                |                   |                 |                 |             |              |
|          | 2020         | Matt Werner                | Steve Beamer                | yes        |                   |                |                   |                 |                 |             |              |
|          | 4Q18<br>4Q18 | Matt Werner<br>Matt Werner | Roger Boyce<br>Steve Beamer | yes        | M. Laney workin   | a to confirm o | omplotion         |                 |                 |             |              |
| -        | 2019         | Fuzzy Bitar                | Fuzzy Bitar                 | yes        | wi. Lailey Workin | g to commit co | Jiiipieuon        |                 |                 |             |              |
|          | 4Q18         | Dave Wall                  | Doog Wright                 | yes        |                   |                |                   |                 |                 |             |              |
|          | 2Q19         | Dave Wall                  | Doog Wright                 | yes        |                   |                |                   |                 |                 |             |              |
|          | 2020         | Dave Lawler                | Brian Pugh                  |            |                   |                |                   |                 |                 |             |              |
|          |              |                            | <u> </u>                    |            |                   |                |                   |                 |                 |             |              |
| 66       | 2015         |                            |                             | yes        |                   |                |                   |                 |                 |             |              |
|          | 2018         | Dominic Emery              | Dominic Emery               |            |                   |                |                   |                 |                 |             |              |
| 68       | 2H18         | Dominic Emery              | Paul Jefferiss              | yes        |                   |                |                   |                 |                 |             |              |
|          | 2Q18         | Mary Streett               | Bob Stout                   | yes        |                   |                |                   |                 |                 |             |              |
| 70       | 2018         | Dave King/Liz Rogers       | Dave King/Liz Rogers        | yes        |                   |                |                   |                 |                 |             |              |

|                      | N         | 0           | Р            | Q            | R            | S          | Т          | U           | V          | W              | Х           | Υ          | Z         | AA          | AB          | AC         | AD  |
|----------------------|-----------|-------------|--------------|--------------|--------------|------------|------------|-------------|------------|----------------|-------------|------------|-----------|-------------|-------------|------------|-----|
| 35                   | - 14      |             |              | <u> </u>     | 1 1          |            |            |             | . •        | 1 **           |             |            |           | 701         |             | 7.0        | 7.0 |
| 36                   |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
| 35<br>36<br>37<br>38 |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
| 38                   |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
|                      | who tha   | should b    | e.           |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
| 40                   |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
|                      |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
| 41                   |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
| 41<br>42<br>43<br>44 |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
| 43                   |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
| 44                   |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
|                      |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
|                      | of a plai | nned work   | shop - en    | d 2Q; Del    | iver Live I  | ntegrated  | l Methane  | Technolo    | gy Plan, i | including      | SPAs and    | l delivery | target da | tes - end 3 | 3Q          |            |     |
| 46                   |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
| 46<br>47<br>48       |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
| 48                   |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
|                      |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
| 49                   |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
| 50                   |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
| 50                   |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
| 51                   | e need fo | r further a | uantificatio | n trials. e. | g. capture   | high flare | flow rates | . Addition  | al methane | e trials utili | izina drone | technolog  | av in Oma | n and NS a  | are being o | considered | .   |
|                      |           |             |              | , .          | 5            | 3          |            |             |            |                | 9           |            | ,,        |             | J .         |            |     |
| 52<br>53             |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
| 54                   |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
| 55                   | ct relate | d to meth   | ane detect   | tion (Oma    | ın). If incl | uded in 9  | .5, we wil | l confirm ( | GWO tag.   | If not, we     | e could ac  | ld a 9.6.  |           |             |             |            |     |
|                      |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
| 56<br>57             |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
| 58                   |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
| 59                   |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
| 60                   |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
| 58<br>59<br>60<br>61 |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
| 62                   |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
| 63<br>64<br>65       |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
| 64                   |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
| 65                   |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
|                      |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
|                      |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
| 66                   |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
| 67                   |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
| 68                   |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
|                      |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
| 69<br>70             |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |
| 70                   |           |             |              |              |              |            |            |             |            |                |             |            |           |             |             |            |     |

|          | Α            | В   |
|----------|--------------|---|
|          |              | Be instrumental in encouraging at least 3 countries where we operate to sign up to CCAC and WB30 (AGT, Angola, Indonesia, Trinidad, Oman, Egypt), and those   |
|          |              | that have signed up to fully implement (subject to conclusion of 10.3) or action could be; Implement recomendation from review of methane-related voluntary   |
| 71       | 10.4         | programmes (milestone 10.3)   |
| 72       | 11           | Develop and implement US methane advocacy plan  |
| 73       | 11.1         | Create model framework for Methane Regulations that BP would support by assessing existing US federal/state regulations   |
| 74       | 11.2         | Create US Methane Campaign strategy that would include plans for internal/external communications, engagement, and regulatory advocacy  |
| 75       | 11.3         | Agree BP's level of leadership participation (strategical and tactical) within the API Environmental Partnership, including the role L48 will play  |
|          | 11.4         | API Environmental Partnership: Take a leading role in driving forward the Environmental Partnership and identifying natural gas value chain partners to join the  |
| 76       |              | program (covered under 11.3, merged text agreed with L48)   |
| 77       | 11.5         | Host US focused stakeholder event with the objective of making a meaningful contribution to the world's understanding of methane and BP's ability to act.   |
| 78       | 11.6         | Build strategy to advocate for improvements to the EPAs GHG Reporting Rule, focused on intermittent pneumatic controllers   |
| 79       | 11.7         | Recommend fit-for-purpose tracking tool for new proposed legislation across US from elected state/federal officials   |
| 80       | 12           | Deliver External Gas & Methane Communications Campaign to demonstrate BP's leadership on methane  |
| 81       | 12.1         | Deploy leaders to tell the gas story and increase BP's visibility on key global platforms e.g. World Gas Conference   |
| 82       | 12.2         | Create agenda setting content to drive the campaign: deep dive features on methane management and film to depict the methane challenge  |
| 83       | 12.3         | Proactively engage with stakeholders by hosting global stakeholder events in UK, US and Asia (TBC) to demonstrate BP's leadership on methane and ablity to act.   |
| 84       | 12.4         | Leverage milestones on BP's most significant gas projects as live proof points on the case for gas (SGC, Khazzan)   |
| 85       | 12.5         | Announce technology partnership(s) and look to communicate their contribution to understanding methane emissions  |
| 86       | 12.6         | Develop an open innovation challenge to crowd source ideas to solve a significant aspect of the methane challenge   |
| 87<br>88 | 12.7<br>12.8 | Publish independent data on the methane science cycle with Princeton (their research will not be ready until 2019) Run media/stakeholder visits to demonstrate how we are managing methane at key facilities e.g. Khazzan, Sangachal, L48 |
| 88       |              | Run media/stakenoluer visits to demonstrate now we are managing methane at key facilities e.g. Khazzan, Sangachai, L46  |
| 89       | 12.9         | Show action in the business by sharing publicy what is happening from targets to reporting methodologies and standards (elevating the Upstream Leadership Plan)   |
| 90       | 12.9.1       | Develop a cross-industry methane summit including e.g. agriculture and construction to tackle the methane challenge beyond O&G industry   |
| 1        |              | Develop and deliver internal communications plan to educate BP employees on carbon and methane science and BP's   |
| 91       | 13           | role in reducing carbon/methane emissions   |
| 92       | 13.1         | Develop Upstream methane employee communications plan   |
| 93       | 13.2         | Develop and implement L48 internal methane communications plan aligned with Segment communication plan  |
| 94       | 13.3         | Develop and implement internal (e.g. Helios) and external open innovation challenges for methane reduction  |
| 95       | 14           | Develop and implement SLL/Executive Education Programme to instil culture of methane leadership across Upstream   |
| 96       | 14.1         | Develop SLL/Executive education programme materials   |
| 97       | 14.2         | Identification of target audience (Group Leadership & SLL in Upstream is the minimum audience – maybe more)   |
| 98       | 14.3         | Development of delivery timetable, presenters, venues etc   |
| 99       | 14.4         | Delivery of Education Programme   |
| 100      | 14.5         | Develop OMS Acadmey module  |
| 101      | 14.6         | Develop and implement 'zero methane emissions mindset' for L48 leaders  |
| 102      | 15           | Develop industry leading position on methane reporting transparency   |
| 103      | 15.1         | Conduct comparison of US with non-US methane emission methodologies e.g. calculate Upstream fugitive emissions using EPA emisison factors   |
| 104      | 15.2         | Review and update Upstream methane source surveys, incorporating lessons from first surveys to close gaps (this should include GWO)   |
|          | 45.0         | L48 Emission Inventory Improvement: Hold peer assist to review L48 internal GHG calculation approach (inventory, emission factors, calculation  |
| 105      | 15.3         | methodology). Implement annual review of internal GHG approach and emissions by L48 RCE Mgr.  |
|          |              | Ensure accuracy of data in L48's systems of record that are used as inputs to emissions calculations; including equipment inventory, production data,   |
|          | 45.4         | operational runtime, and episodic events (i.e. liquid unloading).   |
| 106      | 15.4         | Undete Crown reporting guidelines to improve quantification or a tiered approach to mostly an experience and extending  |
| 107      | 15.5         | Update Group reporting guidelines to improve quantification e.g. a tiered approach to methane emissions reporting   |
| 108      | 15.6         | Develop recommednation for independent external auditing of methane data and calculations (e.g. OGCI)   |

|          | С     | D                             | Е   | F           | G                | Н                 | I               | J                  | K               | L               | М            |
|----------|-------|-------------------------------|---|-------------|------------------|-------------------|-----------------|--------------------|-----------------|-----------------|--------------|
|          |       |                               |   |             |                  |                   |                 |                    |                 |                 |              |
|          |       | William Linn/Geoff<br>Morrell | Degional CSEA teams                         | 20          | dananda an auta  | ama fram milaat   | ana 10 4 ahaul  | d there he e foll  | ou onn milaatan | o to 10 1 v     | ما ما مامام  |
|          |       | Mary Streett                  | Regional C&EA teams                         | no          | depends on outco | ome from milesto  | one 12.4. Shoul | u triere de a ioii | ow opn mileston | e (0 12.4 v<br> | WHICH IS III |
|          |       | Mary Streett/David Lawler     | Dab Staut/Kala Fagbayi                      | V00         |                  |                   |                 |                    |                 |                 |              |
| 73<br>74 |       | •                             | Bob Stout/Kola Fagbayi Bob Stout/Liz Sidoti | yes<br>yes  |                  |                   |                 |                    |                 |                 |              |
| 75       |       | =                             | Joe Ellis/Kola Fagbayi                      | yes         |                  |                   |                 |                    |                 |                 |              |
| "        | 1     | Dave Lawler                   | Kola Fagbayi                                | <b>J</b> 00 |                  |                   |                 |                    |                 | l               |              |
| 76       | 2010  | Davo Lamoi                    | ricia i agouji                              | no          |                  |                   |                 |                    |                 |                 |              |
| 77       | 4Q18  | Mary Street                   | Bob Stout/Liz Sidoti                        | yes         |                  |                   |                 |                    |                 | l               |              |
| 78       |       |                               | Jim Nolan/Dana Wood                         | yes         |                  |                   |                 |                    |                 | l               |              |
| 79       |       | ,                             | Joe Ellis                                   | yes         |                  |                   |                 |                    |                 |                 |              |
| 80       |       | Rachel Woods                  |   |             | _                |                   |                 |                    |                 |                 |              |
| 81       |       | Rachel Woods                  | Isabel Miranda                              | yes         |                  |                   |                 |                    |                 | l               |              |
| 82       |       | Rachel Woods                  | Isabel Miranda                              | yes         |                  |                   |                 |                    |                 |                 |              |
| 83       | 4     | Rachel Woods Rachel Woods     | Isabel Miranda<br>Isabel Miranda            | yes         |                  |                   |                 |                    |                 |                 |              |
| 84<br>85 | 4     | Rachel Woods                  | Isabel Miranda                              | yes<br>yes  |                  |                   |                 |                    |                 | l               |              |
| 86       |       | Rachel Woods                  | Isabel Miranda                              | yes         |                  |                   |                 |                    |                 |                 |              |
| 87       | 4     | Rachel Woods                  | Isabel Miranda                              | yes         |                  |                   |                 |                    |                 | l               |              |
| 88       | 1Q19  | Rachel Woods                  | Isabel Miranda                              | yes         |                  |                   |                 |                    |                 |                 |              |
|          |       |                               |   |             |                  |                   |                 |                    |                 |                 |              |
| 89       |       | Rachel Woods                  | Isabel Miranda                              | yes         |                  |                   |                 |                    |                 | l               |              |
| 90       | 2020  | Rachel Woods                  | Isabel Miranda                              | yes         |                  |                   |                 |                    |                 |                 |              |
|          | 2019  | Steve Shaw                    |   |             |                  |                   |                 |                    |                 |                 |              |
| 91       | 0040  | Otava Olasva                  | Maria a Mallian                             |             |                  |                   |                 |                    |                 |                 |              |
| 92<br>93 |       |                               | Marissa Walker<br>Marissa Walker            | yes<br>no   |                  |                   |                 |                    |                 | l               |              |
| 94       |       |                               | Paul Tuohy                                  | yes         |                  |                   |                 |                    |                 | l               |              |
|          |       | TBD                           |   | ,,,,        |                  |                   |                 |                    |                 | l               |              |
|          |       |                               | Muhunthan Sathiamoorthy                     | yes         | methane guiding  | principles action |                 |                    |                 | l               |              |
| 97       |       | Head of Learning?             | _   | no          | J J              |                   |                 |                    |                 | l               |              |
| 98       |       | Head of Learning?             |   | no          |                  |                   |                 |                    |                 | l               |              |
| 99       |       | Head of Learning?             |   | no          |                  |                   |                 |                    |                 | l               |              |
|          |       | _                             |   | yes         |                  |                   |                 |                    |                 | l               |              |
|          |       | Dave Lawler                   | Kola Fagbayi                                | yes         |                  |                   |                 |                    |                 | l               |              |
|          |       | Dave King                     | Dah O'Drian                                 | V00         |                  |                   |                 |                    |                 | l               |              |
|          | 4     | _                             |   | yes         | M Lanov to conf  | irm GWO ton       |                 |                    |                 | l               |              |
| 104      | 1     | Dave King                     | Bob Chou                                    | yes         | M Laney to conf  | iiii GvvO tag     |                 |                    |                 | l               |              |
| 105      |       | Kola Fagbayi                  | DOD CHOU                                    | yes         |                  |                   |                 |                    |                 | l               |              |
| 103      | 1     | Brian Pugh                    | Will Burton                                 | , 30        |                  |                   |                 |                    |                 | l               |              |
|          | 1_0.0 | Diani ayı                     |   |             |                  |                   |                 |                    |                 | l               |              |
| 106      | 1     |                               |   |             |                  |                   |                 |                    |                 | i               |              |
| 107      | 4Q18  |                               | Muhunthan Sathiamoorthy                     |             |                  |                   |                 |                    |                 | l               |              |
| 108      | 4Q18  | Liz Rogers                    | Alejandra Castano                           |             |                  |                   |                 |                    |                 |                 |              |

|   | N         | 0         | Р           | Q          | R  | S | Т | U | V | W | Х | Υ | Z | AA | AB | AC | AD |
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|   |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
| 71  | plement r | recoomedr | nation from | the reviev | v? |   |   |   |   |   |   |   |   |    |    |    |    |
| 72  | p. 0      |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
| 73  |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
| 72<br>73<br>74<br>75  |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
| 75  |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
| 76  |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
| 77  |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
| 78  |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
| 80  |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
| 81  |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
| 82  |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
| 76<br>77<br>78<br>79<br>80<br>81<br>82<br>83<br>84<br>85<br>86<br>87                  |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
| 85  |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
| 86  |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
| 88  |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
|   |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
| 89<br>90  |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
| 90  |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
| 91  |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
| 92  |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
| 93  |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
| 94  |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
| 96  |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
| 97  |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
| 98  |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
| 100   |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
| 101   |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
| 91<br>92<br>93<br>94<br>95<br>96<br>97<br>98<br>99<br>100<br>101<br>102<br>103<br>104 |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
| 103   |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
|   |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
| 105   |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
|   |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
| 106   |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
| 106<br>107<br>108   |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |
| 108   |           |           |             |            |    |   |   |   |   |   |   |   |   |    |    |    |    |

|     | Α            | В  |
|-----|--------------|--|
|     |              | Develop and agree the key focus areas for the 2018 Sustainability Report on 'Addressing the methane challenge' (include consideration of sources, intensity, asset |
| 109 | 15.7         | class etc)   |
| 110 | 15.8         | Work with trade associations (GBG, OGCI, IPIECA) and L48 to develop consistent methane emission benchmarking methodology   |
| 111 |              |  |
| 112 |              |  |
| 113 |              |  |
| 114 | Proposed for |  |
| 115 | 16.3         | Work with trade associations/Methane Guiding Principles to develop consistent methane emission reporting methodologies e.g. IPIECA/OGCI reporting guidance         |
| 116 | 16.6         | Expand reporting scope to include material NOJVs emissions in BP reports - already do except for Iraq and Rosneft  |
| 117 | 12.3         | Develop specific model elements of what good regulations should include, for use in advocacy globally (draw on lessons from post Macondo advocacy)                 |
| 118 | 12.5         | Develop and implement US/L48 methane communications and advocacy materials and plan aligned with Group campaign - is this not what is covered under 13?            |
| 119 | 12.6         | Host event to engage and build alliances with key NGOs open a dialogue on the methane challenge - proposed to remove by Rachel/Bob/Mary S. Does this overlap w     |
| 120 | 7.6          | Use Advocacy frame for the case for gas (GP4) to work with and influence NOJV partners   |
|     |              | Peer Benchmarking  |
|     |              | Develop benchmarking approach to understand peer performance and best practices in methane management.   |
| 121 |              |  |
|     |              | Methane Leadership   |
| 122 |              | Define what methane leadership means for L48. Reframe L48 Carbon Road Map to align and support that definition.  |
| 123 |              |  |
|     |              | State Industry Group Participation   |
| 124 |              | Develop state industry group participation level for methane related issues (for each state) (chair, lead from within, participation, observe).                    |
|     |              | L48 Tactical Advocacy Strategy   |
|     |              | Develop list of top 5 advocacy points associated with Methane and weave into the already developed advocacy strategy. Continue to implement                        |
| 125 |              | strategies and update to incorporate elements of the US Advocacy Plan and the "what we stand for".   |
|     |              | L48 Leadership Workshop  |
| 126 |              | Develop and conduct a L48 Leadership workshop.   |
| 127 |              |  |
|     |              | API Environmental Partnership  |
| 128 |              | Develop API Environmental Partnership Plan to define how L48 participates in the broader mission of industry collaboration in the program.                         |
|     |              | Communicate Externally on L48 Actions  |
|     |              | Report on L48 historical and current actions to proactively reduce methane emissions through the Group Sustainability Report & US/ L48 External                    |
| 129 |              | Communications Plan (C&EA).  |
|     |              |  |

|            | С    | D   | E                               | F  | G                | Н               | I     | J                  | K              | L         | М        |
|------------|------|---|---------------------------------|----|------------------|-----------------|-------|--------------------|----------------|-----------|----------|
|            | 0040 | 0 "11 11/0 11/0                           |                                 |    |                  |                 |       |                    |                |           |          |
|            | 3Q18 | Geoff Morrell / Rachel / Da Tyrone Kalpee |                                 |    |                  |                 | _     | Г                  | 1              |           |          |
|            | 4Q18 | Liz Rogers                                | Liz Rogers/Kola Fagbayi         |    |                  |                 |       |                    |                |           |          |
| 111        |      |   |                                 |    |                  |                 |       |                    |                | ļ         |          |
| 112        |      |   |                                 |    |                  |                 | 1     | <u> </u>           |                | 1         |          |
| 113<br>114 |      |   |                                 |    |                  |                 | 1     |                    |                |           |          |
|            | 2018 |   |                                 | no |                  |                 |       |                    |                |           |          |
|            | 2020 |   |                                 | no |                  |                 |       |                    |                |           |          |
|            | 2018 | Dominic Emery                             | Dominic Emery                   | no | covered elsewh   | ere - check wit | h Liz |                    |                |           |          |
|            | 2018 | Dominic Emery/Bob Stout                   |                                 | no | Check overlap wi |                 |       | n initial one in t | he UK 0n 24.04 | .18 and 1 | the idea |
|            | 2018 |   | Dominic Emery/Bob Stout         | no | do we want one i |                 |       |                    |                |           |          |
|            | 2019 |   | Alison Young                    | no | Unclear - propso |                 |       |                    |                | ·         | J        |
|            | 2019 | Dave Lawler / Gordon                      | Kola Fagbayi (US) and Liz       | 1  |                  |                 | ,     | •                  |                | ,         |          |
|            |      | Birrell                                   | Rogers (Global)                 |    |                  |                 |       |                    |                |           |          |
| 121        |      | -   | ,                               |    |                  |                 |       |                    |                |           |          |
|            | 2018 | Kola Fagbayi                              | Kirk Steinle                    | 1  |                  |                 |       |                    |                |           |          |
| 122        |      | 0 ,                                       |                                 |    |                  |                 |       |                    |                |           |          |
| 123        |      |   |                                 | Ì  |                  |                 |       |                    |                |           |          |
|            | 2018 | Steve DeGiusti                            | Gabrielle Sitomer/ Kirk Steinle | 1  |                  |                 |       |                    |                |           |          |
| 124        |      |   |                                 | l  |                  |                 |       |                    |                |           |          |
|            | 2018 | Kola Fagbayi                              | Dana Wood                       |    |                  |                 |       |                    |                |           |          |
|            |      |   |                                 |    |                  |                 |       |                    |                |           |          |
| 125        |      |   |                                 | ]  |                  |                 |       |                    |                |           |          |
|            | 2019 | Dave Lawler                               | Kola Fagbayi                    |    |                  |                 |       |                    |                |           |          |
| 126        |      |   |                                 | ]  |                  |                 |       |                    |                |           |          |
| 127        |      |   |                                 | ]  |                  |                 |       |                    |                |           |          |
|            | 2019 | Kola Fagbayi                              | Kirk Steinle                    |    |                  |                 |       |                    |                |           |          |
| 128        |      |   |                                 |    |                  |                 |       |                    |                |           |          |
|            | 2019 | Dave Lawler                               | Kola Fagbayi                    |    |                  |                 |       |                    |                |           |          |
|            |      |   | <u> </u>                        |    |                  |                 |       |                    |                |           |          |
| 129        |      |   |                                 |    |                  |                 |       |                    |                |           |          |

|  | N         | 0           | Р           | Q           | R          | S            | Т            | U           | V              | W           | Х            | Υ          | Z          | AA        | AB                     | AC | AD |
|--|-----------|-------------|-------------|-------------|------------|--------------|--------------|-------------|----------------|-------------|--------------|------------|------------|-----------|------------------------|----|----|
|  |           |             |             |             |            |              |              |             |                |             |              |            |            |           |                        |    |    |
| 109  |           |             |             |             |            |              |              |             |                |             |              |            |            |           |                        |    |    |
| 110  |           |             |             |             |            |              |              |             |                |             |              |            |            |           |                        |    |    |
| 112  |           |             |             |             |            |              |              |             |                |             |              |            |            |           |                        |    |    |
| 113  |           |             |             |             |            |              |              |             |                |             |              |            |            |           |                        |    |    |
| 114  |           |             |             |             |            |              |              |             |                |             |              |            |            |           |                        |    |    |
| 109<br>110<br>111<br>112<br>113<br>114<br>115<br>116 |           |             |             |             |            |              |              |             |                |             |              |            |            |           |                        |    |    |
| 116  |           |             |             |             |            |              |              |             |                |             |              |            |            |           |                        |    |    |
| 117  | have on   | e in the US | S and a thi | rd one to l | be decided | l hut nossil | oly in India | or China    | ( All part o   | of the Unst | treamAdvo    | icacy Cam  | naign on   | Gas and M | lethane)               |    |    |
| 119  | f the how | / - which N | IGOs?       |             |            | . Dat possii | ory in maid  | . or orinia | ( / iii part c | . alo opo   | a carri tave | Judy Julii | paigii oii | Cao ana M | iouriario <sub>j</sub> |    |    |
| 120  |           |             |             |             |            |              |              |             |                |             |              |            |            |           |                        |    |    |
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| 121  |           |             |             |             |            |              |              |             |                |             |              |            |            |           |                        |    |    |
| 400  |           |             |             |             |            |              |              |             |                |             |              |            |            |           |                        |    |    |
| 122<br>123   |           |             |             |             |            |              |              |             |                |             |              |            |            |           |                        |    |    |
| 123  |           |             |             |             |            |              |              |             |                |             |              |            |            |           |                        |    |    |
| 124  |           |             |             |             |            |              |              |             |                |             |              |            |            |           |                        |    |    |
|  |           |             |             |             |            |              |              |             |                |             |              |            |            |           |                        |    |    |
|  |           |             |             |             |            |              |              |             |                |             |              |            |            |           |                        |    |    |
| 125  |           |             |             |             |            |              |              |             |                |             |              |            |            |           |                        |    |    |
|  |           |             |             |             |            |              |              |             |                |             |              |            |            |           |                        |    |    |
| 126<br>127   |           |             |             |             |            |              |              |             |                |             |              |            |            |           |                        |    |    |
| 127  |           |             |             |             |            |              |              |             |                |             |              |            |            |           |                        |    |    |
| 128  |           |             |             |             |            |              |              |             |                |             |              |            |            |           |                        |    |    |
| 128  |           |             |             |             |            |              |              |             |                |             |              |            |            |           |                        |    |    |
|  |           |             |             |             |            |              |              |             |                |             |              |            |            |           |                        |    |    |
| 129  |           |             |             |             |            |              |              |             |                |             |              |            |            |           |                        |    |    |