a) Accumulated damages by 2020 of emissions of carbon majors 1988–2015 (Scope 1, \$T)

| 1.00<br>I                                       | \$1.50                                | \$2.00 | \$2.5 |
|---|---------------------------------------|--------|-------|
| Gazprom OAO (Total 2021 Revenue                 | e = \$0.14T, % of 2021 Revenue = %23) |        |       |
| <mark>Sau</mark> di Arabian Oil Company (Aram   | co) (\$0.36T, %7)                     |        |       |
| Petroleos Mexicanos (Pemex) (\$0.0              | 7T, %18)                              |        |       |
| National Iranian Oil Co (\$0.08T, %1            | 7)                                    |        |       |
| ExxonMobil Corp (\$0.29T, %4)                   |                                       |        |       |
| Sonatrach SPA (\$0.04T, %24)                    |                                       |        |       |
| Chevron Corp (\$0.16T, %5)                      |                                       |        |       |
| China National Petroleum Corp (Cl               | NPC) (\$0.44T, %2)                    |        |       |
| Royal Dutch Shell PLC (\$0.26T, %3              |                                       |        |       |
| BP PLC (\$0.16T, %5)                            |                                       |        |       |
| Petroleos de Venezuela SA (PDVSA                | A) (\$0.05 <sup>-</sup>               |        |       |
| Abu Dhabi National Oil Co (\$0.1T, <sup>o</sup> | <b>66)</b>                            |        |       |
| Total SA (\$0.18T, %3)                          |                                       |        |       |
| Petroliam Nasional Berhad (Petron               | as <sup>T</sup>                       |        |       |
| Coal India (\$0.07T, %6)                        |                                       |        |       |
| Kuwait Petroleum Corp (\$0.057                  |                                       |        |       |
| Qatar Petroleum Corp (\$0.047                   |                                       |        |       |