**Bulk Hydrogen Cost as Function of Capacity**



(a) Installed capital cost (b) Lifetime storage cost

**Figure 1**. Installed capital cost and lifetime storage cost: scaling with usable amount of stored H2

***Cost Correlation:***

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Storage** | | **a** | | **b** | | **c** | |
| Underground pipe storage | 0.0041617 | | 0.060369 | | 6.4581 | |
| Underground lined rock caverns | 0.095803 | | 1.5868 | | 10.332 | |
| Underground salt caverns | 0.092548 | | 1.6432 | | 10.161 | |

**Table 1. Coefficients for Capital Cost, Fig 1a**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Storage** | | **a** | | **b** | | **c** | |
| Underground pipe storage | 0.001559 | | 0.035313 | | 4.5183 | |
| Underground lined rock caverns | 0.092286 | | 1.5565 | | 8.4658 | |
| Underground salt caverns | 0.085863 | | 1.5574 | | 8.1606 | |

**Table 2. Coefficients for Annual Cost, Fig 1b**