| Characteristics | Units | Calendar year | | |
|--|---------------------------|-----------------------------|--------|--------|
| | | 2002 status ^a | 2005 | 2010 |
| Membrane conductivity, operating temperature | Ω -cm ² | 0.1 | 0.1 | 0.1 |
| Oxygen cross-over ^b | mA/cm ² | 5 | 5 | 2 |
| Hydrogen cross-over ^b | mA/cm ² | 5 | 5 | 2 |
| Cost | \$/kW | | 50 | 5 |
| Operating Temperature | Oo | 160 | 160 | 170 |
| Durability | Hours | 5000 | >15000 | >40000 |
| Survivability | °C | -20 | -30 | -40 |

Table IV: Technical Targets for Membranes: Stationary All targets must be achieved simultaneously

Notes:

a) Status is present day 80°C unless otherwise noted; targets are for new membranes/CCMs
b) Tested in CCM