

Rank in Value	Atmospheric Services	Usage Trend	At Risk	Entity	Service Type
1	The air that we breathe	++	**	O ₂ , N ₂ etc	Provisioning
2	Protection from radiation, plasma and meteors	+	**	Density, Ozone Layer	Supporting
3	Natural global warming of 33 degrees Celsius	+	*****	CO ₂ , CH ₄ , N ₂ O, H ₂ O ++	Supporting
4	The cleansing capacity of the atmosphere & dispersion of air pollution	+	*	OH, Wind, Temp	Regulating
5	The redistribution of water services	+	**	H ₂ O	Supporting
6	Direct use of the atmosphere for ecosystems and agriculture	+	*	CO ₂ , N ₂ , Filtered Solar	Provisioning & Supporting
7	Combustion of fuel	-		O ₂	Provisioning
8	Direct use of the atmosphere for sound, communications and transport	+	*	Density, Pressure	Supporting
9	Direct use of the atmosphere for power	++		Wind, Wave	Provisioning
10	The extraction of atmospheric gases	+		O ₂ , N ₂ , Ar etc	Provisioning
11	Atmospheric Recreation & climate tourism	+	*	Sun, Wind, Clouds, Snow	Cultural
12	Aesthetic, spiritual and sensual properties of the atmosphere, smell and taste	+		Sky, Clouds	Cultural

(Thornes, J.E. et al 2010 Communicating the Value of Atmospheric Services, *Meteorological Applications*, 17, 243-250)