ITER True and False
Power Statements Intended for Public Audiences

Steven Krivit — August 8, 2018

FALSE/MISLEADING	TRUE/TRANSPARENT
The ITER reactor is designed to produce 500 MW of power.	The ITER reactor is designed to produce the equivalent of about zero net power.
The ITER reactor is designed to produce 500 MW of fusion power.	The ITER reactor is designed to produce a fusion plasma of 500 MW.
ITER will be capable of generating 500 MW of fusion power.	The ITER reactor is designed to produce a fusion plasma of 500 MW.
The ITER reactor is designed to use 50 MW of input power.	The ITER reactor is designed to inject 50 MW of heating power into the plasma chamber.
The ITER reactor is designed to use 50 MW of input power.	The ITER reactor is designed to use 300 MW of input electrical power.
The ITER reactor is designed to use 50 MW to heat the plasma.	The ITER reactor is designed to use 150 MW of electricity to heat the plasma.
The ITER reactor is designed to produce ten times the power it will consume.	The ITER reactor is designed to produce a fusion plasma that has ten times the thermal power than the heating power injected into the plasma.
ITER will be the first magnetic confined fusion device which will produce more power than put into it.	ITER is designed to be the first magnetic confined fusion device which will produce the same amount of power put into it.
ITER will produce 500 MW of fusion power from 50 MW of power injected into the plasma.	ITER will produce 500 MW of fusion power from 300 MW of input electrical power, a portion of which will be used to produce and inject 50 MW of heat into the plasma.
ITER will be the first fusion device to produce net energy; the energy created during a fusion plasma pulse will exceed the energy required to power the machine's systems.	ITER is designed to be the first fusion device to produce as much power as it consumes. ITER is designed to be the first fusion device to produce a fusion plasma with power that will exceed the heating power injected into the plasma.
ITER will produce the same amount of power as a gas-fired power station (500 MW), albeit for only a few minutes.	ITER will produce the same amount of power as a gas-fired power station (0 MW) that is turned off.