

Proposed NSTX-U operational goals are to: operate at full forces ($I_p I_p$, $I_p B_T$, $B_T B_T$) in 2 years, full coil heating in 3rd year

	NSTX	Year 1 NSTX-U	Year 2 NSTX-U	Year 3 NSTX-U	Ultimate Goal
I_p [MA]	1.4	1.6	2.0	2.0	2.0
$I_p I_p$ [MA ²]	2.0	2.5	4.0	4.0	4.0
B_T [T]	0.55	0.8	1.0	1.0	1.0
$B_T B_T$ [T ²]	0.3	0.65	1.0	1.0	1.0
$I_p B_T$ [MA*T]	0.61	1.3	2	2.0	2
Allowed $I^2 t$ Fraction On Any Coil	1.0	0.5	0.75	1.0	1.0
I_p Flat-Top at max. allowed $I^2 t$, I_p , and B_T [s]	~0.7	~3.5	~3.	5	5

- Table based on assessment of physics needs for first year of operations.
- 1st year goal: operating points with forces 1/2 the way between NSTX and NSTX-U, 1/2 the design-point heating of any coil:
 - OH F_z apparently requires full influence matrices for essentially ANY operations.
- 2nd year goal: full field and current, but still limiting the coil heating.
 - Of course, will revisit year 2 parameters once year 1 data has been accumulated.
- 3rd year goal: full capability