

(a) WT1

	α	β	σ_u	σ_v	σ_w	L_u	L_v	L_w	a_u	a_v	a_w	b_u	b_v	b_w	γ	PV_{uw}	PV_{uv}	PV_{vw}	WD	ρ	Θ_{T1}	Θ_{T2}	Θ_{T3}	C_{NW}	k_{vAmb}	k_{vShr}	C_M	f_c	
Blade-Root OoP	18	1	42	2	1	3	1	2	10	0	0	13	2	0	10	1	1	0	0	1	0	0	0	0	0	0	0	0	0
Blade-Root IP Bend.	57	1	42	3	0	1	0	0	9	0	0	10	0	0	6	0	0	0	0	0	8	0	0	0	0	0	0	0	0
Blade-Root Pitch.	15	3	36	4	1	2	2	1	6	1	1	7	2	1	8	0	2	1	0	0	2	0	0	0	0	0	0	0	0
Shaft 0° Bend.	61	2	38	1	0	0	0	0	9	0	0	8	0	0	3	0	0	0	0	0	5	0	0	0	0	0	0	0	0
Shaft 90° Bend.	61	1	40	1	0	1	0	0	8	0	0	6	0	0	4	0	0	0	0	0	4	0	0	0	0	0	0	0	0
Shaft Torq.	8	0	66	1	2	1	1	1	7	1	0	11	1	2	8	0	2	1	0	0	1	0	0	0	0	0	0	0	0
Tower-Top FA Bend.	4	1	55	0	0	1	0	0	2	1	0	3	0	0	3	0	0	0	0	0	41	0	0	0	0	0	0	0	0
Tower-Top SS Bend.	7	1	59	2	0	4	1	2	6	1	0	8	0	1	13	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Tower-Top Yaw	6	2	63	1	1	4	1	1	5	0	0	9	1	0	7	1	1	0	0	0	4	0	0	0	0	0	0	0	0
Tower-Base FA Bend.	3	0	48	7	0	9	9	1	7	5	0	1	1	1	9	1	1	1	0	1	11	0	0	0	0	0	0	0	0
Tower-Base SS Bend.	4	0	51	4	0	7	4	0	12	2	0	3	0	0	10	0	0	0	0	1	8	0	0	0	0	0	0	0	0
Generator Power	11	3	12	5	0	3	3	1	11	2	1	17	0	0	9	0	0	0	0	0	20	0	0	0	0	0	0	0	0
Turbulence Intensity	1	1	87	3	1	3	2	2	2	0	1	2	3	1	0	4	3	2	0	0	0	0	0	0	0	0	0	0	0

(b) WT2

	α	β	σ_u	σ_v	σ_w	L_u	L_v	L_w	a_u	a_v	a_w	b_u	b_v	b_w	γ	PV_{uw}	PV_{uv}	PV_{vw}	WD	ρ	Θ_{T1}	Θ_{T2}	Θ_{T3}	C_{NW}	k_{vAmb}	k_{vShr}	C_M	f_c	
Blade-Root OoP	-3	1	1	-2	0	-1	3	0	-1	1	1	-2	-1	2	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0
Blade-Root IP Bend.	4	1	-2	-2	0	0	1	0	1	1	1	0	0	1	2	0	0	0	0	0	-8	4	0	0	0	0	0	0	0
Blade-Root Pitch.	0	-3	2	0	0	0	0	-1	1	-1	2	0	0	0	0	2	0	0	1	1	-1	2	0	1	0	0	0	0	1
Shaft 0° Bend.	1	-1	-2	-1	0	0	0	1	0	1	0	-2	0	1	0	0	0	0	0	0	-5	3	0	0	0	0	0	0	0
Shaft 90° Bend.	0	0	-5	-1	0	-1	0	1	1	1	0	0	0	1	0	0	0	0	0	0	-4	2	0	0	0	0	0	0	0
Shaft Torq.	-3	0	-9	-1	-2	-1	0	-1	0	-1	0	2	1	-2	1	0	-2	-1	0	0	-1	1	0	0	0	0	0	0	0
Tower-Top FA Bend.	0	0	-3	1	0	-1	0	0	2	0	0	0	1	1	3	1	0	0	0	0	-41	39	0	0	0	0	0	0	0
Tower-Top SS Bend.	-1	0	-2	1	0	-2	0	0	1	0	0	1	0	-1	-1	0	0	0	0	0	-1	1	0	0	0	0	0	0	0
Tower-Top Yaw	1	-1	-4	1	-1	1	-1	0	0	1	1	-1	0	1	1	-1	-1	0	0	0	-4	3	0	0	0	0	0	0	0
Tower-Base FA Bend.	-2	0	-1	-1	0	-3	-2	1	1	-2	0	-1	1	-1	0	1	0	-1	0	-1	-11	12	0	0	0	0	0	0	0
Tower-Base SS Bend.	-2	0	-1	0	0	-1	-1	1	4	-1	0	1	0	0	2	0	0	0	0	-1	-8	5	0	0	0	0	0	0	0
Generator Power	-5	-3	1	0	0	0	-2	-1	0	-1	0	-2	0	0	-5	0	0	0	1	0	-20	19	0	0	0	0	0	0	0
Turbulence Intensity	0	1	-16	0	1	0	-1	0	0	0	0	1	2	3	5	1	-1	1	8	1	1	0	0	1	0	0	0	0	

(c) WT3

	α	β	σ_u	σ_v	σ_w	L_u	L_v	L_w	a_u	a_v	a_w	b_u	b_v	b_w	γ	PV_{uw}	PV_{uv}	PV_{vw}	WD	ρ	Θ_{T1}	Θ_{T2}	Θ_{T3}	C_{NW}	k_{vAmb}	k_{vShr}	C_M	f_c	
Blade-Root OoP	-2	0	-1	-1	0	-2	1	-1	0	0	1	-1	-1	0	1	-1	-1	0	0	-1	0	0	0	0	0	0	0	0	0
Blade-Root IP Bend.	0	0	-3	-2	0	0	1	0	0	1	0	1	0	1	1	0	0	0	0	0	-8	0	2	0	0	0	0	0	0
Blade-Root Pitch.	-4	-1	2	-2	2	2	0	2	1	0	1	2	-1	1	-2	2	1	0	1	1	-1	1	2	1	1	1	1	1	1
Shaft 0° Bend.	3	-1	0	-1	0	0	0	1	0	1	0	1	0	1	1	0	0	0	0	0	-5	0	2	0	0	0	0	0	0
Shaft 90° Bend.	3	0	-3	-1	0	-1	0	0	1	0	0	4	0	1	1	0	0	0	0	0	-4	0	1	0	0	0	0	0	0
Shaft Torq.	-1	0	-7	0	-2	0	-1	0	4	-1	1	0	0	-2	-1	0	-1	0	1	0	-1	0	0	0	0	0	0	0	0
Tower-Top FA Bend.	-2	-1	-3	1	0	-1	0	0	0	-1	0	2	0	0	3	0	0	0	0	0	-41	0	37	0	0	0	0	0	0
Tower-Top SS Bend.	-2	0	-1	1	0	-3	0	0	1	0	0	1	0	0	-2	0	0	0	0	0	-1	0	1	0	0	0	0	0	0
Tower-Top Yaw	-1	-1	-3	0	-1	-1	-1	-1	0	0	0	-2	-1	1	1	-1	-1	0	1	0	-4	0	1	0	0	0	0	0	0
Tower-Base FA Bend.	-2	1	-5	1	2	-2	-3	2	2	-2	1	0	-1	0	-2	1	-1	2	0	-1	-11	0	8	0	0	0	0	0	0
Tower-Base SS Bend.	0	0	4	-1	0	-1	-3	0	2	-2	0	4	0	0	-2	0	0	0	1	-1	-8	0	4	0	0	0	0	0	0
Generator Power	-7	-3	1	-3	2	-1	-2	-1	-1	-1	-1	-4	0	0	-7	0	1	1	0	0	-20	0	12	0	0	0	0	0	0
Turbulence Intensity	0	3	-16	1	3	-1	1	0	3	2	2	2	0	2	5	0	-1	0	13	0	0	0	0	1	0	0	1	1	