

Uncertainty in
the wind resources

A
 k

WS

Joint distribution
 $PDF(\mathbf{x})$

σ_1

α

γ

\mathbf{x}

Surrogate
 $\hat{\mathcal{M}}(\mathbf{x})$

Joint distribution
 $PDF(\mathbf{y})$

\mathbf{y}

Uncertainty in
AEP and $\mathbb{E}_{\mathbf{x}}(\mathbf{y})$

$\mathbb{E}_{\mathbf{x}}(\mathbf{y})$

AEP and Lifetime EFL Model

