

DISTRIBUTED GENERATION DATA

S.no	Data	Description	Measured_Units	Data_Source
1	PV performance and power recordings	Data collected from Tucson electric power test yard are analyzed. Different manufacturers' PV panels are installed and voltage, current and power of the panels are recorded and available online.	Watts, Volts	TEP and U of Arizona Physics Dept
2	PV installations in the U of A Campus	Facility management provided the specifications of current PV installations in the campus that includes total power, number of panels and types and etc	Watts, Numbers	U of A facility management
3	Benefit Data	Estimated emission factors, utility rates, solar PV costs, benefits for the next 20 years	Dollars and ratio	TEP
4	U of A campus map	U of A campus map is used to model the distribution network of the campus.		Google Maps
5	Typical distribution network data	In order to simulate campus network data, cable specs, transformer specs are used from this provided data.		TEP
6	LIDAR DATA	The original data got from satellite, which contains the geological information of Tucson area		PIMA COUNTY
7	Building construction layer DATA	The accurate area of each roof on each building in campus	Square Feet	Biological Science Department of UA
8	Maps of Buildings in Campus	High Definition Maps of every building in details in campus		Biological Science Department of UA
9	Panels installed DATA	The location and numbers of PV panels which already installed at Second Parking Garage		Google Maps
10	Cost DATA	Installation cost, inverters replacement cost and O&M cost	Dollars and Ratio	TEP