

MLGW/TVA Distributed Generation Options Matrix 2018

(Updated 1/31/2018)

Generation Option	Project Capacity	Purchase Arrangement	Conditions				
			Project Costs	Metering	Inter-connection	MLGW Role	Other Terms
Green Power Providers (GPP)	0.5 kW to 50 kW	Participant sells 100% of generation and all Renewable Energy Certificates (RECs) to TVA, with generation credits applied to MLGW bill. Residential and small commercial customers (electric rates E-1 and E-2/GSA part 1), with systems of 10 kW or less, receive \$0.09 per kWh. Systems greater than 10 kW, as well as customers on all other electric rates, receive \$0.075 per kWh. 20-year Power Purchase Agreement [PPA] term.	For all program options, customer/participant pays: 1. Application Fee (Residential is \$250 plus \$5/kW; non-residential is \$500 plus \$5/kW), 2. All metering and interconnection costs, 3. System Acceptance Test fee (\$200 per attempt) 4. Some program options include a monthly customer charge for generation meter (noted under Metering column).	Dual metering.	Option 1, supply side	Subject to MLGW program participation and interconnection approval. MLGW issues generation credits on consumer's electricity bill.	Subject to program capacity availability (5 MW each residential and non-residential in 2018) and other program terms and conditions
Dispersed Power Production (DPP)	Up to 80 MW (based on FERC eligibility requirements for small renewable power generators)	Participant is paid for 100% of generation at DPP avoided cost prices (5-year PPA). Participant retains Renewable Energy Certificates (RECs)		Dual metering (no customer or billing meter requirement)	Option 1, supply side	Subject to MLGW and/or TVA interconnection approval. MLGW metering if <5 MVA. TVA pays participant directly for generation.	Subject to program terms and conditions
Self Generation (SG)	No limit; subject to consumer load/usage	None; consumer generates to meet some or all of their own <i>instantaneous</i> electricity needs. Any excess power flows to the grid with no financial benefit.		Dual metering. Monthly customer charge for generation meter.	Option 2, load side	Subject to MLGW and/or TVA interconnection approval. MLGW metering if <5 MVA. No compensation for any instantaneous excess generation.	not applicable
Self-Generation with Dispersed Power Production (SGDPP)	Up to 80 MW (based on FERC eligibility requirements for small renewable power generators)	Generation offsets usage first, then Participant is paid for any excess generation at DPP avoided cost prices (5-year PPA). Participant retains Renewable Energy Certificates (RECs)		Dual metering. Monthly customer charge for generation meter.	Option 2, load side	Subject to MLGW and/or TVA interconnection approval. MLGW metering if <5 MVA. TVA pays participant directly for generation.	Subject to program terms and conditions
Distributed Solar Solutions Pilot (DSS)	>50 kW, maximum size to be announced with 2018 program terms	Awaiting 2018 program terms and conditions		Awaiting 2018 program terms and conditions	Dual metering (no customer or billing meter requirement). Customer/ participant pays all metering and interconnection costs.	Option 1, supply side	MLGW must sponsor application based on unique business model or technical innovation. Subject to MLGW and TVA criteria and interconnection approval. MLGW metering if <5 MVA. TVA pays participant directly for generation.

Note that for all options, Local Power Company (LPC) should ensure it has developed interconnection policies that address safety, reliability, operating and cost-recovery requirements. Additionally, LPCs remain in compliance with the "all requirements" conditions of the TVA wholesale power contract as long as they do not directly or indirectly compensate the generating customer for any generation that, on an instantaneous basis, exceeds the customer's power consumption.