

APPENDIX – ART Program Electric Rate Impacts for Each Investor-Owned Utility: Summary Tables

MG&E Avoided Cost Rate, \$/kWh	\$ 0.0498								
DG	Proportion of 1.5%	Electric Sales, %	ART Rate \$/kWh	ART kWh	ART Value \$	Retail Rate Increase \$/kWh	Retail Rate Increase, %	ART kW	ART Impact \$/household per year
PV	5%	0.08%	0.250	2,512,516	503,006	\$ 0.00013	0.13%	2,049	
Wind	35%	0.53%	0.120	17,587,610	1,234,650	\$ 0.00035	0.36%	10,039	
Biogas	45%	0.68%	0.110	22,612,642	1,361,281	\$ 0.00039	0.39%	3,227	
Biomass (solid)	15%	0.23%	0.100	7,537,547	378,385	\$ 0.00010	0.10%	1,076	
MG&E	100%	1.50%		50,250,315	3,477,322	\$ 0.00097	0.98%	16,390	\$ 9.71

NSP Avoided Cost Rate, \$/kWh	\$ 0.0649								
DG	Proportion of 1.5%	Electric Sales, %	ART Rate \$/kWh	ART kWh	ART Value \$	Retail Rate Increase \$/kWh	Retail Rate Increase, %	ART kW	ART Impact \$/household per year
PV	5%	0.08%	0.250	4,671,964	864,780	\$ 0.00019	0.25%	3,809	
Wind	35%	0.53%	0.120	32,703,746	1,801,976	\$ 0.00034	0.46%	18,667	
Biogas	45%	0.68%	0.110	42,047,674	1,896,350	\$ 0.00035	0.48%	6,000	
Biomass (solid)	15%	0.23%	0.100	14,015,891	491,958	\$ 0.00013	0.17%	2,000	
NSP	100%	1.50%		93,439,275	5,055,065	\$ 0.00101	1.36%	30,476	\$ 10.11

WEPCO									
Avoided Cost Rate, \$/kWh		\$ 0.0532							
DG	Proportion of 1.5%	Electric Sales, %	ART Rate \$/kWh	ART kWh	ART Value \$	Retail Rate Increase \$/kWh	Retail Rate Increase, %	ART kW	ART Impact \$/household per year
PV	5%	0.08%	0.250	19,465,992	3,830,907	\$ 0.00012	0.14%	15,872	
Wind	35%	0.53%	0.120	136,261,944	9,102,298	\$ 0.00032	0.37%	77,775	
Biogas	45%	0.68%	0.110	175,193,928	9,951,015	\$ 0.00036	0.40%	24,999	
Biomass (solid)	15%	0.23%	0.100	58,397,976	2,733,025	\$ 0.00008	0.09%	8,333	
WEPCO	100%	1.50%		389,319,840	25,617,245	\$ 0.00088	1.00%	126,980	\$ 8.81

WP&L Avoided Cost Rate, \$/kWh									
		\$ 0.0552							
DG	Proportion of 1.5%	Electric Sales, %	ART Rate \$/kWh	ART kWh	ART Value \$	Retail Rate Increase \$/kWh	Retail Rate Increase, %	ART kW	ART Impact \$/household per year
PV	5%	0.08%	0.250	8,132,857	1,584,280	\$ 0.00018	0.21%	6,631	
Wind	35%	0.53%	0.120	56,929,997	3,689,064	\$ 0.00038	0.43%	32,494	
Biogas	45%	0.68%	0.110	73,195,711	4,011,125	\$ 0.00041	0.46%	10,445	
Biomass (solid)	15%	0.23%	0.100	24,398,570	1,093,056	\$ 0.00014	0.16%	3,482	
WP&L	100%	1.50%		162,657,135	10,377,525	\$ 0.00111	1.26%	53,052	\$ 11.07

WPS Avoided Cost Rate, \$/kWh	\$ 0.0636								
DG	Proportion of 1.5%	Electric Sales, %	ART Rate \$/kWh	ART kWh	ART Value \$	Retail Rate Increase \$/kWh	Retail Rate Increase, %	ART kW	ART Impact \$/household per year
PV	5%	0.08%	0.250	8,109,168	1,511,549	\$ 0.00014	0.16%	6,612	
Wind	35%	0.53%	0.120	56,764,176	3,201,500	\$ 0.00029	0.36%	32,400	
Biogas	45%	0.68%	0.110	72,982,512	3,386,389	\$ 0.00031	0.38%	10,414	
Biomass (solid)	15%	0.23%	0.100	24,327,504	885,521	\$ 0.00008	0.09%	3,471	
WPS	100%	1.50%		162,183,360	8,984,958	\$ 0.00081	0.99%	52,897	\$ 8.12