

## Residential Grid Tie (GTS) Investment Costs

These GTS rough calculations are based on a \$4 per watt FL rebate plus a flat \$2,000 Fed tax credit; the FL rebate cap is \$20,000; the cost of utility power is either 11.5 ¢ per kWh or 9.5 ¢ per kWh. The Utility Bill reduction column is for size comparison of systems – the actual reductions are likely to be variable. It is based on 80% of total faceplate PV production. (See discussion on FPL metering; it also does not include the value of any RECs). This represents an optimum installation for Naples with module orientation due south, tilt angle = latitude, no shading. The Return On Investment (ROI) figure reflects the yearly return on Your Final Cost, assuming all initial investment costs will be recouped upon sale of the residence. The installed cost per watt reflects the use of BP Solar 175B modules and Xantrex inverter/s; other modules/equipment likely to be higher. The cost also reflects installation on a 'standard' roof covering - shingle or metal. Tile installations may be higher. For a modest SBS (10kWh of batteries), add roughly \$4,000 to overall system cost.

System Size  (kilowatt=1000 watts)	Roof minimum  sq. ft. required	Production monthly  estimated in kWh	Installed Cost  per watt	Installed Cost	Final Cost	Utility Bill Reduction		Annual ROI	
				estimated "standard" installation	estimated after incentives	monthly estimated 11.5 ¢/kWh Tier	monthly estimated 9.5 ¢/kWh Tier	estimated 11.5 ¢/kWh Tier	estimated 9.5 ¢/kWh Tier
				<b>YOUR CASH OUTLAY</b>	<b>YOUR FINAL COST</b>	<b>YOUR MONTHLY SAVINGS</b>	<b>YOUR MONTHLY SAVINGS</b>		
<b>2 kw</b>	175	263	\$8.50/watt	\$17,000	<b>\$7,000</b>	<b>\$30</b>	<b>\$25</b>	5.14%	4.28%
<b>3 kw</b>	250	389	\$8.50/watt	\$25,500	<b>\$11,500</b>	<b>\$45</b>	<b>\$37</b>	4.69%	3.86%
<b>4 kw</b>	325	526	\$8.50/watt	\$34,000	<b>\$16,000</b>	<b>\$60</b>	<b>\$50</b>	4.50%	3.75%
<b>5 kw</b>	400	674	\$8.25/watt	\$41,250	<b>\$19,250</b>	<b>\$77</b>	<b>\$64</b>	4.80%	3.98%
<b>6 kw</b>	475	800	\$8.25/watt	\$49,500	<b>\$27,500</b>	<b>\$92</b>	<b>\$76</b>	4.01%	3.31%
<b>7 kw</b>	550	926	\$8.25/watt	\$57,750	<b>\$35,750</b>	<b>\$107</b>	<b>\$88</b>	3.59%	2.95%
<b>8 kw</b>	625	1063	\$8.00/watt	\$64,000	<b>\$42,000</b>	<b>\$122</b>	<b>\$101</b>	3.48%	2.88%
<b>9 kw</b>	700	1200	\$8.00/watt	\$72,000	<b>\$50,000</b>	<b>\$138</b>	<b>\$114</b>	3.31%	2.73%
<b>10 kw</b>	775	1326	\$8.00/watt	\$80,000	<b>\$58,000</b>	<b>\$153</b>	<b>\$126</b>	3.16%	2.60%