

Economic Impact of SA Solar in Sumter County, GA



Samsung is developing the SA Solar Project in Sumter County, Georgia. The purpose of this report is to aid decision makers in evaluating the economic impact of this project on Sumter County and the State of Georgia. The basis of this analysis is to study the direct, indirect, and induced impacts on job creation, wages, and total economic output.

The proposed SA Solar Project is a 200 MW solar PV project using single-axis tracking panels. The project represents an investment in excess of \$200 million. The total development is anticipated to result in the following:

Government Revenue Breakout

	Total Taxes	County	School
For 20 years	8,600,000	3,616,576	4,983,424
For 45 years	21,138,400	8,889,376	12,249,024

Jobs – all jobs numbers are full-time equivalents

- 237 new local jobs during construction for Sumter County
- 401 new local jobs during construction for the State of Georgia
- 20.7 new local long-term jobs for Sumter County
- 25.5 new local long-term jobs for the State of Georgia

Earnings

- Over \$14.2 million in new local earnings during construction for Sumter County
- Over \$31.1 million in new local earnings during construction for the State of Georgia
- Over \$864 thousand in new local long-term earnings for Sumter County annually
- Over \$1.8 million in new local long-term earnings for the State of Georgia annually

Output

- Over \$25.1 million in new local output during construction for Sumter County
- Over \$56.5 million in new local output during construction for the State of Georgia
- Over \$2.0 million in new local long-term output for Sumter County annually
- Over \$3.8 million in new local long-term output for the State of Georgia annually

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Total Employment Impact from SA Solar

	Sumter County Jobs	State of Georgia Jobs
Construction		
Project Development and Onsite Labor Impacts (direct)	142	203
Module and Supply Chain Impacts (indirect)	78	119
Induced Impacts	17	79
<i>New Local Jobs during Construction</i>	237	401
Operations (Annual)		
Onsite Labor Impacts (direct)	11.3	11.3
Local Revenue and Supply Chain Impacts (indirect)	7.0	7.6
Induced Impacts	2.4	6.7
<i>New Local Long-Term Jobs</i>	20.7	25.5

Total Earnings Impact from SA Solar

	Sumter County	State of Georgia
Construction		
Project Development and Onsite Earnings Impacts	\$11,122,931	\$20,351,691
Module and Supply Chain Impacts	\$2,632,302	\$6,728,586
Induced Impacts	\$541,611	\$4,098,584
<i>New Local Earnings during Construction</i>	\$14,296,844	\$31,178,861
Operations (Annual)		
Onsite Labor Impacts	\$558,454	\$1,114,716
Local Revenue and Supply Chain Impacts	\$230,656	\$423,359
Induced Impacts	\$75,846	\$347,527
<i>New Local Long-Term Earnings</i>	\$864,956	\$1,885,601

Total Output Impact from SA Solar

	Sumter County	State of Georgia
Construction		
Project Development & Onsite Jobs Impacts on Output	\$13,953,180	\$23,974,581
Module and Supply Chain Impacts	\$8,941,367	\$19,179,345
Induced Impacts	\$2,229,712	\$13,360,195
<i>New Local Output during Construction</i>	\$25,124,259	\$56,514,122
Operations (Annual)		
Onsite Labor Impacts	\$558,454	\$1,114,716
Local Revenue and Supply Chain Impacts	\$1,175,452	\$1,562,405
Induced Impacts	\$310,958	\$1,128,066
<i>New Local Long-Term Output</i>	\$2,044,865	\$3,805,188

Economic Impact Methodology

The economic analysis of the solar PV project presented uses NREL's Jobs and Economic Development Impacts (JEDI) PV Model (PV12.23.16) which is based on the IMPLAN platform. The JEDI PV Model is an input-output model that measures the spending patterns and location-specific economic structures that reflect expenditures supporting varying levels of employment, income, and output.

Two separate JEDI models were produced to show the economic impact of SA Solar. The first JEDI model used the 2019 Sumter County multipliers from IMPLAN (latest available). The second JEDI model used the 2019 IMPLAN multipliers for the State of Georgia and the same project costs.



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