

SynSel Energy, Inc. is a developer, technology integrator, and owner/operator of Bio-Refineries in the USA and Canada. SynSel "Template-Driven" second-generation advanced bio-refineries will utilize state-of-the-art, environmentally-responsible closed-loop systems to convert waste wood into second-generation advanced biofuels through SynSel's scientific integration of appropriate advanced biofuel technologies. SynSel's focus is on the production of second-generation advanced diesel, aviation and gasoline transportation fuels. SynSel strives to integrate only the best proven state-of-the-art second-generation advanced biofuel technologies.

By focusing on a template-driven expansion approach, SynSel plans to develop second-generation advanced biorefineries across the country in rural locations that possess a combination of abundant waste wood feedstock and the commercial infrastructure necessary for biofuel production and delivery. The jobs created by SynSel Biorefineries provide a tremendous opportunity to positively impact many economically distressed rural regions throughout the nation.

2,538 Construction-Related Jobs¹

Construction of a \$500MM SynSel Biorefinery with a capacity to process 1,000 dry metric tonnes/day of waste wood biomass is expected to provide the following jobs:

- 1,020 direct project development/onsite labor and technical positions,
- 866 indirect construction services, support and supply jobs, and
- 652 induced jobs in the local community.

98 SynSel Biorefinery Permanent Direct Jobs – With Full Benefits Package

SynSel Biorefineries will operate around the clock, 50 weeks per year.

The estimated 98 full-time positions with benefits includes 18 management positions at an average annual salary of \$83,250 and 80 labor positions at an average salary of \$50,946. All 98 SynSel Biorefinery Permanent Direct Jobs will include a **Full Benefits Package**. Hiring will initially focus on local, state, and regional labor pools for all positions. Please see page 2 for details.

150 Permanent Indirect and Induced Jobs¹

The implementation of SynSel Biorefineries is also anticipated to strengthen local economies through increased employment in many additional sectors including:

- 101 local indirect manufacturing support and supply chain jobs including:
 - Harvesting and transportation of feedstock for the SynSel plant, and
 - Transportation of finished goods (i.e., second generation bio-fuel) from the SynSel plant;
- 49 local induced permanent service and support businesses jobs.

Summary:

Overall Job creation from a \$500MM SynSel Biorefinery with a capacity to process 1,000 dry metric tonnes/day of waste wood biomass is estimated to be:

- **2,538 Temporary** Construction Jobs for 24 Months, and
- **248 Permanent** Direct, Indirect, and Induced Jobs.

¹ Calculated using NREL, National Renewable Energy Lab model <https://www.nrel.gov/analysis/jedi/>

SynSel Biorefinery Job Creation Estimates

Job Count	Classification	Total Salary	Average Salary
18	Management	\$ 1,498,500	\$ 83,250
80	Labor	\$ 4,075,650	\$ 50,946

Job Title	Est. Salary	#	Extension	Classification	\$/Hr
Plant Manager	\$ 202,500	1	\$ 202,500	Management	\$ 101.25
Plant Engineer	\$ 108,000	2	\$ 216,000	Management	\$ 54.00
Maintenance Supervisor	\$ 83,700	1	\$ 83,700	Management	\$ 41.85
Maintenance Technician	\$ 56,700	16	\$ 907,200	Labor	\$ 28.35
Production Supervisor	\$ 83,700	1	\$ 83,700	Management	\$ 41.85
Safety & Compliance Officer	\$ 72,900	1	\$ 72,900	Management	\$ 36.45
Lab Manager	\$ 81,000	1	\$ 81,000	Management	\$ 40.50
Lab Technician	\$ 51,300	4	\$ 205,200	Labor	\$ 25.65
Lead Production Trainer	\$ 43,200	2	\$ 86,400	Labor	\$ 21.60
Shift Supervisor	\$ 64,800	4	\$ 259,200	Management	\$ 32.40
Shift Operators	\$ 54,000	20	\$ 1,080,000	Labor	\$ 27.00
Yard Employees	\$ 43,200	12	\$ 518,400	Labor	\$ 21.60
Accountant	\$ 54,000	2	\$ 108,000	Management	\$ 27.00
Human Resources Manager	\$ 62,100	1	\$ 62,100	Management	\$ 31.05
Human Resources Specialist	\$ 45,900	2	\$ 91,800	Labor	\$ 22.95
Procurement Specialist	\$ 64,800	1	\$ 64,800	Labor	\$ 32.40
Sales & Marketing Specialist	\$ 64,800	1	\$ 64,800	Labor	\$ 32.40
Security Manager	\$ 72,900	1	\$ 72,900	Management	\$ 36.45
Security Officers	\$ 43,200	6	\$ 259,200	Labor	\$ 21.60
IT Manager	\$ 121,500	1	\$ 121,500	Management	\$ 60.75
IT Administrators	\$ 87,750	3	\$ 263,250	Labor	\$ 43.88
Logistics Manager	\$ 81,000	1	\$ 81,000	Management	\$ 40.50
Logistics Coordinator	\$ 43,200	3	\$ 129,600	Labor	\$ 21.60
Stock Room Manager	\$ 54,000	1	\$ 54,000	Management	\$ 27.00
Stock Room Technician	\$ 40,500	2	\$ 81,000	Labor	\$ 20.25
Administrative Assistants	\$ 40,500	8	\$ 324,000	Labor	\$ 20.25
TOTALS:		98	\$ 5,574,150		
			Avg. Salary: \$ 56,879.08		