

New Study Confirms Strong Energy Jobs Growth in Canada to 2035, Biomass-Based Fuels Jobs set to Double

Canada's labour force for biomass-based fuels set to grow up to 153% by 2035

VANCOUVER, CANADA, March 26, 2024 /EINPresswire.com/ -- [Careers in Energy](#), a division of Energy Safety Canada, announced the release of its pivotal labour market report, "Canada's Energy Workforce: National Labour Market Outlook to 2035" and its regional spin-off [reports](#). They have also published an online [data dashboard](#) to view the detailed results.

Table 2: Direct employment and number of new jobs by sector, by scenario, 2022-2035

Sector	Employment In 2022A	Current Measures		Opportunity	
		Estimated employment In 2035F	# of new jobs and % change	Estimated employment In 2035F	# of new jobs and % change
TOTAL	184,440	226,080	41,640 (23%)	230,940	46,500 (25%)
Established energy sectors					
Conventional E&P	73,250	92,990	19,740 (27%)	95,050	21,810 (30%)
Oil sands	24,650	22,770	-1,880 (-8%)	22,770	-1,880 (-8%)
Energy services	62,130	80,570	18,440 (30%)	81,750	19,620 (32%)
Pipelines	13,700	15,650	1,950 (14%)	15,750	2,050 (15%)
Petroleum refining	8,830	9,040	210 (2%)	9,040	210 (2%)
Emerging energy sectors					
Biomass-based fuels	1,750	3,910	2,150 (123%)	4,430	2,670 (153%)
Low-carbon hydrogen	minimal*	340	340 (all new jobs)	850	850 (all new jobs)
LNG	minimal*	450	450 (all new jobs)	700	700 (all new jobs)
CCS	130	370	240 (185%)	600	470 (362%)

* The small number of workers currently working in these emerging sectors in 2022 were not quantified for this outlook. Numbers may not add up due to rounding.

The reports emphasize the evolving nature of Canada's energy system, underlining its diversification and integration to include emerging sectors such as renewable low-carbon (biomass-based) fuels, liquefied natural gas (LNG), low-carbon hydrogen, and carbon capture and storage (CCS). Made possible through funding from the Government of Canada's Sectoral Workforce Solutions Program, these reports offer a forecast of the future labour needs of Canada's energy sector.

The study includes nine distinct energy sectors and considers two scenarios: The Current Measures scenario, based on the most likely plans, policies, and programs and the Opportunity scenario, based on realistic, but more competitive policies, programs, and incentives being implemented.

Projections from the study suggest the addition of 41,640 to 46,500 direct jobs between 2022 and 2035, depending on the scenario. This growth is particularly notable in the area of low-carbon technologies, indicating a promising shift towards sustainable employment opportunities.

"The Current Measures Scenario projects growth in biomass-based fuels to support Canada's

transportation sector. Reducing emissions with biomass-based fuels is anticipated to be more feasible than electrification for heavy transport and aviation, as they can be converted into liquid transportation fuels that are equivalent to fossil-based fuels. The additional biomass-based fuels production forecast in the Opportunity Scenario will depend on the implementation of policies, programs and incentives to attract investment.” Careers in Energy: Western Canada’s Energy Workforce Report

“New clean fuel refining capacity is under construction or approaching final investment decisions; production in Canada is poised to double or triple in the next five years,” stated Ian Thomson, President of Advanced Biofuels Canada. Advanced Biofuels Canada worked closely with Careers in Energy to ensure the inputs used to model the biomass-based fuels sector provided an accurate representation of the sector and its potential for growth that stretches from coast to coast.

The report also highlights that the growth of the energy sector creates jobs with above-average compensation, long-term security, and opportunities for career advancement. By diversifying the sources and locations of energy production in Canada, the economic benefits are distributed more broadly and stand to impact Canadians in every province.

“We’re already seeing billions of dollars of investments from our members towards made-in-Canada lower-carbon fuels, with the potential to significantly reduce emissions and create sustainable, well-paying jobs throughout the value chain. These projects take years of planning, from permitting to production, and regulatory certainty is key” said Bob Larocque, President and CEO of Canadian Fuels Association.

Advanced Biofuels Canada/ Biocarburants avancés Canada is the national voice for producers, distributors, and technology developers of advanced biofuels and renewable synthetic fuels. Our members are global leaders in the commercial production of these functional, scalable fuels, with over 36 billion litres of installed annual capacity worldwide. Our members include Canada’s leading advanced biofuels producers and technology innovators, who are actively developing new clean liquid fuel production and distribution assets and operations in Canada. For information on Advanced Biofuels Canada and our members, visit www.advancedbiofuels.ca.

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