## WIND SECTOR OVERVIEW: NOVEMBER 2013 - DECEMBER 2021



Onshore wind

34

Number of wind

projects procured

by end Dec 2021

31

Number of

wind projects

operational by

end Dec 2021



Solar PV

(S) | †

**3357MW** 

- electricity for

3.6 MILLION

households

Number of

wind projects

operational by

end Dec 2021



Concentrating solar power



**Biomass** 



Biogas



Landfill gas



Small hydroelectric plants

## 71 073

GWh contributed to national grid



**38.8 MTONS** CO<sub>2</sub> reduction from wind projects



R0.94/KWH



Price for wind

power: April 2021

**863 DAYS** 

Average lead time for a project to reach commercial state



18 813

from wind contributed to national grid

Job years created by end December 2021 on wind projects

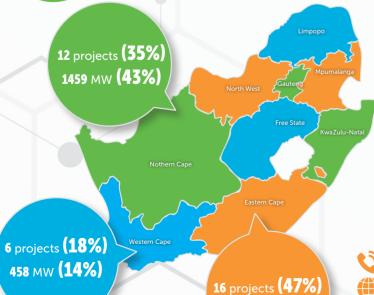


Infographic compiled by EWSETA

CONTRIBUTION TO ENERGY MIX: 2010 WindOther REOther

63%

**CONTRIBUTION TO ENERGY MIX: 2019** ● Wind● Other RE● Other



1440 MW (43%)

## SKILLS DEVELOPMENT UPDATE

- SARATEC offers a wind turbine technician qualification aligned to German best
- Strategic partnership between EWSETA and
- SAWEA, through funding provided by EWSETA, placed 13 interns in wind industry across the country – plans in place to host a further 35 in 2023
- Other wind sector skills development activities in the pipeline



Information sourced from REIPPP Focus on Wind - December 2021 - https://www.ipp-renewables.co.za/



## PARTNERSHIPS TO DRIVE WIND SECTOR SKILLS DEVELOPMENT

The exponential growth of South Africa's wind sector in response to the need for a stable and sustainable energy grid, brings with it an urgency to focus on the development of specialist skills. According to the REIPPPP's 'Focus on Wind' published in December 2021, the numerous wind farms situated in the country will collectively add 38 GWh to the

The EWSETA's strategic goal to partner with industry stakeholders has gained extensive momentum, and a partnership agreement signed with the South African Wind Energy Association (SAWEA) is already bearing fruit.

Commenting on the value of sector stakeholder partnerships, EWSETA CEO, Mpho Mookapele, says: "Partnerships serve as mutually empowering relationships and focus on mutual growth, organisational and sector development and above all, on achieving impact."

EWSETA understands that programmes implemented in partnership with industry stakeholders will not only increase the collective knowledge, skills, reach, and experience applied to an initiative, but are likely to be better at encouraging and enabling the real participation and investment of employers and learners.

"It is key for the wind industry to partner with the EWSETA to

ensure alignment between industry needs and the planned educational and training objectives," comments Niveshen Govender, CEO for SAWEA. "Ensuring skills development in line with industry requirements creates better opportunities for employment, which is the ultimate goal and SAWEA intends to strengthen this partnership over time to address critical skills, as well as skills gaps in the wind sector to achieve more and lasting impact."

An application for discretionary grant funding by SAWEA resulted in a cohort of 13 learners being placed within the wind industry around the country to gain much-needed experience in and exposure to the sector. A second cohort comprising 35 learners will be placed in 2023.

According to Govender, the Wind Industry Internship Programme (WIIP) has provided key learnings to better match employers needs with employee capabilities and employers continue to support graduates in entry level roles to offer mentorship and industry experience. "Identifying the gaps allows us to build better programmes to upskill graduates thereby creating sustainable employment," affirms Govender.

"As a collective we can make a tangible impact on the country's fight against poverty, unemployment and inequality and the EWSETA will continue to drive strategic partnerships where optimal impact can be realised," concludes Mookapele.



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