



Washington, MO  
April 18, 2024

## MINIMUM EFFECIENCY STANDARDS

To whom it may concern,

WEG Transformers USA (**WEG**) feels it is important keeping our customers advised concerning the recent final DOE ruling, dated April 4, 2024, with regards to the minimum efficiency standards for liquid filled-immersed distribution transformers as well as medium voltage dry-type transformers.

WEG is taking, at the moment, the following disposition:

1. WEG has begun studying the impact on our business due to this new DOE ruling, more specifically impact on WEG's designs with regards to a) cost impact and b) technological impact and c) world-wide core material availability.
2. WEG is studying impact on our design, with one sole objective, to see if these new efficiencies can be attained by staying with current conventional technology as applied today or by adapting a new technology pointing most likely to amorphous core technology.
3. WEG suspects that the impact on three phase liquid filled immersed transformer designs 500 kVA and up will not affect as much all manufacturing facilities serving Utility customers as well as other customer who are adapting the new DOE ruling.
4. WEG suspects that the Impact on three phase liquid filled immersed transformer designs 300 kVA and below will affect the manufacturing facility serving Utility customers as well as other customer who are adapting the new DOE ruling.
5. More importantly do we need to point out that WEG will be studying immediately the investment plan to comply with the new DOE ruling such to be able to continue serving customers affected by this new DOE ruling.



The table below outlines the “before and after” ruling of DOE and its respective efficiency gains percentage.

kVA	Efficiencies (%) 4/2024 ruling	Efficiencies (%) prio 4/2024 ruling	Efficiencies gains (%)
15	98.92	98.65	0.27%
30	99.06	98.83	0.23%
45	99.14	98.92	0.22%
75	99.22	99.03	0.19%
113	99.29	99.11	0.18%
150	99.33	99.16	0.17%
225	99.38	99.23	0.15%
300	99.42	99.27	0.15%
500	99.38	99.35	0.03%
750	99.43	99.40	0.03%
1,000	99.46	99.43	0.03%
1,500	99.51	99.48	0.03%
2,000	99.53	99.51	0.02%
2,500	99.55	99.52	0.03%
3,750	99.54		
5,000	99.53		

Should you have additional questions concerning this important matter, please reach out to your Regional Sales Manager.

Sincerely  
WEG Transformers USA

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