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We do not have enough Cheap Electrical Energy With PG&E in California

If we had TVA pricing in California of 12 cents or less for Electrical Energy, and implimented 200 gigawatts of solar and wind power daily in addition to what we already have, we could consider replacing forced air gas burners in furnases with electric element replacements. The 5,000 watt, 40 amp circuit electric element would cost the average Californian $.50 per hour to run on top of the forced air power of 500 watts. in tier 2 plus even more when pushed into the penalty tier. It would be like running an electric dryer 24 hours a day with a 30% cycle time on. 5,500 watts x 24hrs x 30% x $.28011 per KWHr = $11.09 per day as cpmpared to $3.50 per day for natural gas and $1.01 for the electricity for the fn in forced air furnaces today. The $11.09 per day for the equivilant heat is 246% more cost per day than what Californians pay today under the Tier 2 PG&E Residential rates. For this to work, PG&E would need to charge 60% less for tieir 2 Electricty or about $.11 per KWHr. This is for heating home in the milder San Francisco Bay Area. In colder Counties in California it could cost up to 4 times that amount. This is before the PG&E proposed rate increas of 10% set for 2020 for Electricity. Add to this the Electric Cars being charged in homes over night and we would have an electrical energy shortage that could only be solved with MORE gas and coal fired power plants because we do not have ample electrical power storage when the Sun is not shining. Burning natural gas in a power plant in California or burning natural gas in a home furnace do nothing to help climate change.