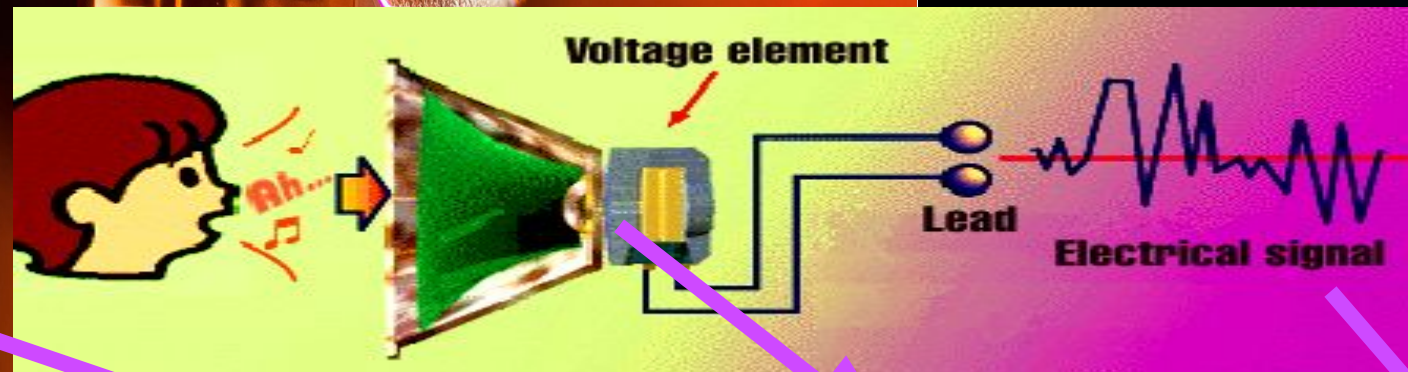


# Sound-to-Energy

Sound/  
vibrations from  
sound



Potential energy storage

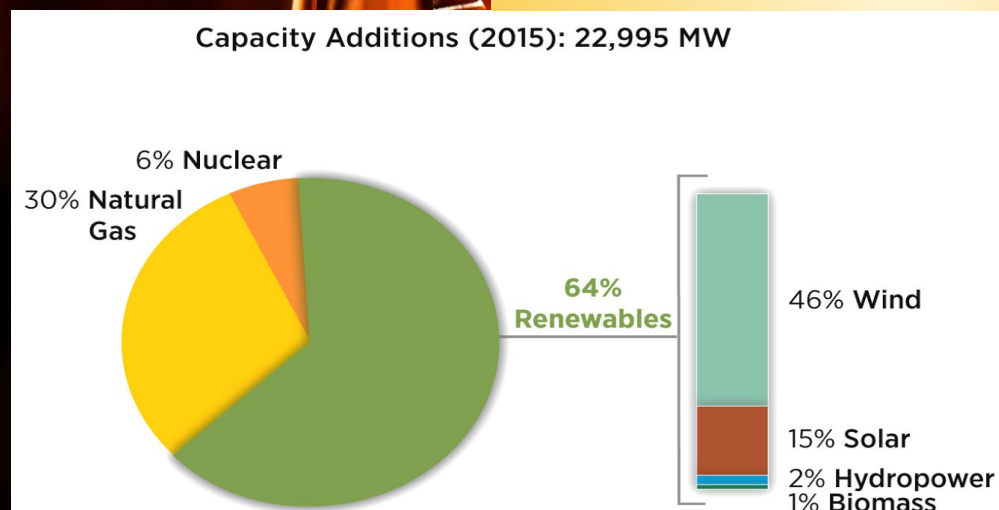


Converter turns vibrations from  
sound into electrical energy

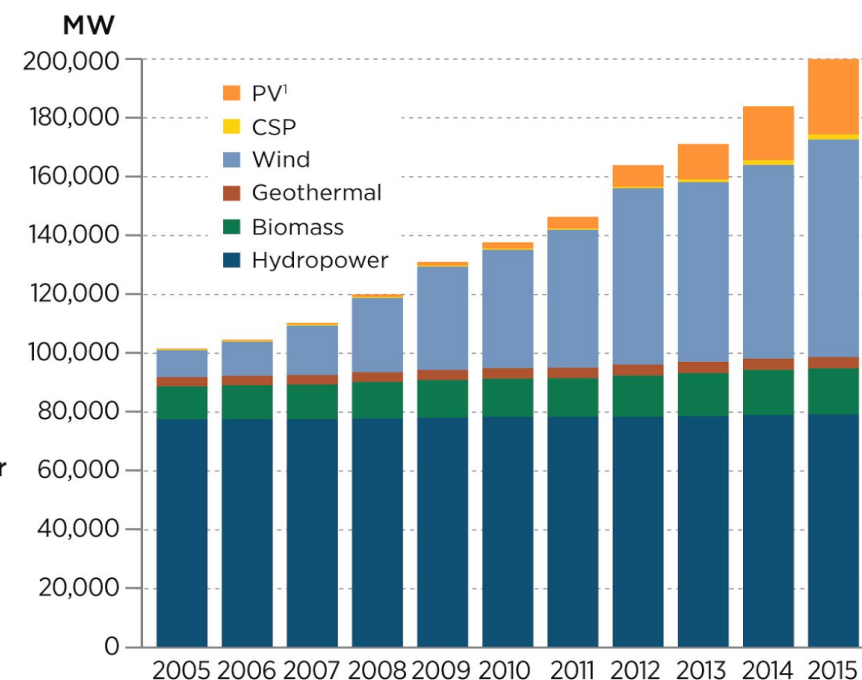
Sound energy is a mechanical  
energy so according to law of  
thermodynamics mechanical  
energy could be converted into  
electric energy



## Renewable Energy Usage (2015)



Source: EIA  
Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels, and miscellaneous technologies.  
Capacity additions and retirements below 1% of total are not displayed.  
Reported values for capacity additions may differ from those reported in other sections of the Data Book due to use of different data sources.  
Totals may not equal 100% due to rounding.  
Capacity additions and retirements include on-grid systems of 1 MW or higher in capacity. Retirements include generators which were cancelled prior to completion/operation and retired generators at existing plants.



Sources: EIA, LBNL, SEIA/GTM  
Reported values may vary from those included in previous versions of the Data Book due to retroactive changes in source data.  
1 Grid-connected only; a de-rate factor of 77% has been applied to convert PV installed nameplate capacity from MWdc to MWac.