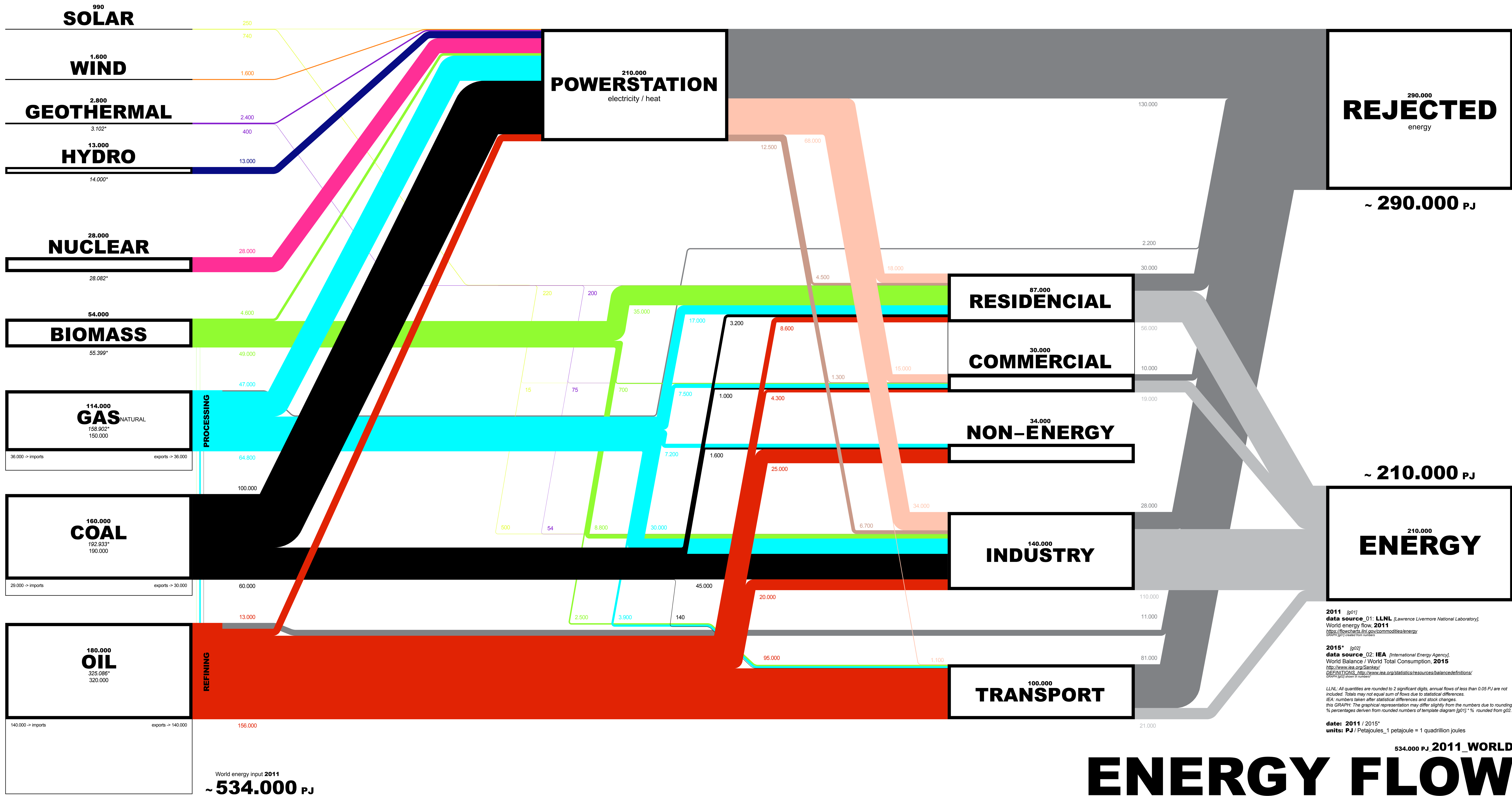


PHOTOELECTRIC  
KINETIC / TEMPERATURE / POTENTIAL  
NUCLEAR  
FOSSIL / ORGANIC



**2011** [g01]  
**data source\_01:** LLNL [Lawrence Livermore National Laboratory],  
 World energy flow, 2011  
<https://flowcharts.llnl.gov/commodities/energy>  
 [G01] [g01] created from numbers

**2015\*** [g02]  
**data source\_02:** IEA [International Energy Agency],  
 World Balance / World Total Consumption, 2015  
<http://www.iea.org/Sankey/>  
**DEFINITIONS:** <http://www.iea.org/statistics/resources/balancedefinitions/>  
 [G01] [g02] from numbers

LLNL: All quantities are rounded to 2 significant digits, annual flows of less than 0.05 PJ are not included. Totals may not equal sum of flows due to statistical differences.  
 IEA: numbers taken after statistical differences and stock changes.  
 this GRAPH: The graphical representation may differ slightly from the numbers due to rounding  
 % percentages derived from rounded numbers of template diagram [g01].\* % rounded from g02.

**date:** 2011 / 2015\*  
**units:** PJ / Petajoules\_1 petajoule = 1 quadrillion joules

534.000 PJ 2011\_WORLD  
**ENERGY FLOW**