

ประมวลศัพท์และคำย่อ

AD	=	Aerobic Digestion
ANL	=	Argonne National Laboratory
APD	=	Algae Process Description Tool
ASP	=	Aquatic Species Program
ASU/SABC	=	Arizona State University / Sustainable Algal Biofuels Consortium
BAT	=	Biomass Assessment Tool
BD	=	Biodiesel
BGY	=	Billion Gallons per Year
CH ₄	=	Methane
CHP	=	Combined Heat and Power
CO ₂	=	Carbon Dioxide
CONUS	=	Contiguous United States
COP	=	Cost of Production
DAF	=	Dissolved Air Flotation
DAP	=	Diammonium Phosphate
DDGS	=	Distiller's Dried Grains with Solubles
DOE	=	U.S. Department of Energy
EC	=	Electrocoagulation
EERE	=	Energy Efficiency and Renewable Energy
EISA	=	Energy Independence and Security Act of 2007
FCI	=	Fixed Capital Investment
g/L	=	Grams per Liter
gCO ₂ e	=	Grams CO ₂ Equivalent
GHG	=	Greenhouse Gas
REET	=	Greenhouse Gases, Regulated Emissions, and Energy Use in Transportation Model
ha	=	Hectare
HDPE	=	High-density Polyethylene
H ₂ S	=	Hydrogen Sulfide
HUC	=	Hydrological Unit Code

IBR	=	Integrated Biorefineries
IC	=	Indirect Capital Costs
INL	=	Idaho National Laboratory
ISBL	=	Inside Boundary Limit
KW	=	Kilowatts
kWh	=	Kilowatt Hours
LCA	=	Life-cycle Analysis
LEA	=	Lipid Extracted Algae
LHV	=	Lower Heating Value
LLE	=	Liquid-liquid Extraction
Ls	=	Light Saturation Constant
LS	=	Low Sulfur Diesel
MEA	=	Monoethanolamine
MGY	=	Million Gallons per Year
MMBTU	=	Million British Thermal Units
mmol	=	Millimole
MSP	=	Minimum Selling Price
N ₂ O	=	Nitrous Oxide
NAABB	=	National Alliance for Advanced Biofuels and Bioproducts
NATCARB	=	National Carbon Sequestration Database and Geographic Information System
NREL	=	National Renewable Energy Laboratory
ORNL	=	Oak Ridge National Laboratory
PBRs	=	Photobioreactors
PNNL	=	Pacific Northwest National Laboratory
psi	=	Pounds per Square Inch
PTW	=	Pump-to-wheels
R&D	=	Research and Development
RA	=	Resource Assessment
RD	=	Renewable Diesel
RDD&D	=	Research, Development, Demonstration and Deployment
RFS	=	Renewable Fuel Standard
SNL	=	Sandia National Laboratory

TAG	=	Triacylglycerides
TDC	=	Total Direct Costs
TEA	=	Techno-economic Analysis
USGS	=	U.S. Geological Survey
WTP	=	Well-to-pump
WTW	=	Well-to-wheel

หมายเหตุ เรียงลำดับจาก A-Z