

Whole Algae Hydrothermal Liquefaction: 2014 State of Technology

TECHNICAL REPORT · Sun Jun 01 00:00:00 EDT 2014

DOI: <https://doi.org/10.2172/1165327> · OSTI ID: 1165327

Jones, Susanne B. ^[1]; Zhu, Yunhua ^[1]; Snowden-Swan, Lesley J. ^[1]; Anderson, Daniel B. ^[1]; Hallen, Richard T. ^[1]; Schmidt, Andrew J. ^[1]; Albrecht, Karl A. ^[1]; Elliott, Douglas C. ^[1]

- 1. Pacific Northwest National Laboratory (PNNL), Richland, WA (United States)
- [+ Show Author Affiliations](#)

This report describes the base case yields and operating conditions for converting whole microalgae via hydrothermal liquefaction and upgrading to liquid fuels. This serves as the basis against which future technical improvements will be measured.

Research Organization:
Pacific Northwest National Laboratory (PNNL), Richland, WA (United States)

Sponsoring Organization:
USDOE National Nuclear Security Administration (NNSA)

DOE Contract Number:
AC05-76RL01830

OSTI ID:
1165327

Report Number(s):
PNNL--23867; BM0108010

Country of Publication:
United States

Language:
English

Similar Records

[Whole Algae Hydrothermal Liquefaction Technology Pathway](#)
Technical Report · Thu Feb 28 23:00:00 EST 2013 · OSTI ID: 1076659

Related Subjects

[AHTL](#)
[ALGAE](#)
[BIOMASS](#)
[CHG](#)

Whole Algae Hydrothermal Liquefaction Technology Pathway

Technical Report · Thu Feb 28 23:00:00 EST 2013 · OSTI ID: 1073584

Development of Hydrothermal Liquefaction and Upgrading Technologies for Lipid-Extracted Algae Conversion to Liquid Fuels

Journal Article · Tue Oct 01 00:00:00 EDT 2013 · Algal Research, 2(4):455-464 · OSTI ID: 1129370

[ECONOMICS](#)

[HTL](#)

[SOT](#)

[algae](#)

[biomass](#)

[catalytic gasification](#)

[economics](#)

[hydrothermal liquefaction](#)

[hydrotreating](#)

[microalgae](#)



U.S. DEPARTMENT
of **ENERGY** | Office of
Science

Office of Scientific and Technical Information



[Website Policies / Important Links](#)



[Contact Us](#)

Vulnerability Disclosure Program

