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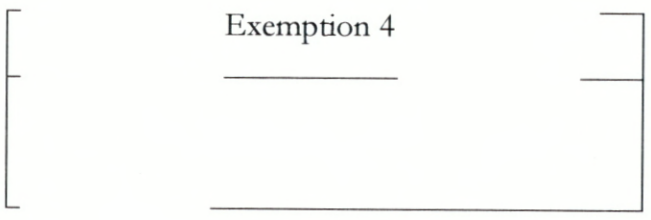
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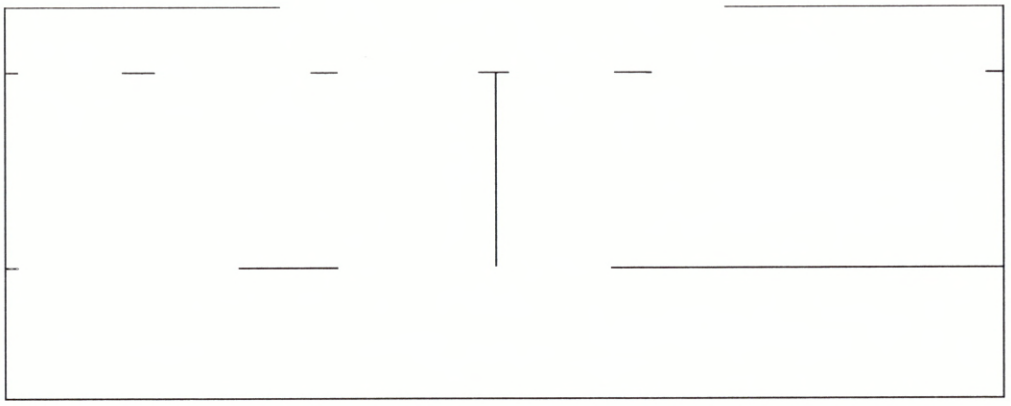

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Algenol Lifecycle Energy and Greenhouse Gas Emissions

Exemption 4 *

Georgia Institute of Technology

June 16, 2009

*Principal Investigators

Proprietary Information: All information in this document is proprietary. Algenol Biofuels requests all information in this document not be released to persons outside the Government, except for the purposes of review and evaluation.

1. Introduction

This report is a summary of the lifecycle energy and greenhouse gas emissions of the Algenol ethanol production system. The Algenol system aims at large-scale fuel ethanol production using genetically enhanced photoautotrophic cyanobacteria (algae). This analysis applies to the current vision of a full-scale commercial system.

Exemption 4

Table 1. LCA Data and Sources

Stage	Content	Data	Unit	Reference
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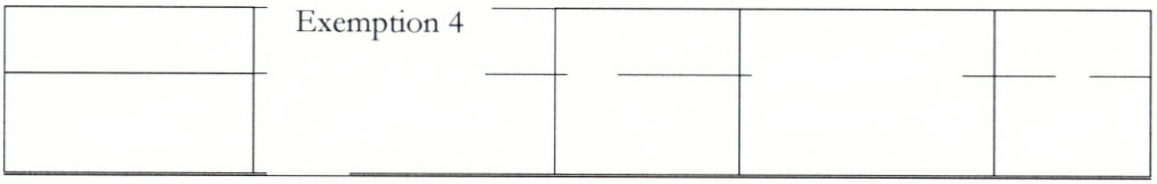

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Exemption 4

Algenol Biofuels Inc.

Petroleum Displacement Analysis

	Product	BTU or Joule Content per Gallon Exemption 4	Annual Output of Facility (in gallons)	BTU of Total Output per Year	Equivalent Barrels of Oil

Exemption 4

ALGENOL BIOFUELS INC.

Project Execution Plan

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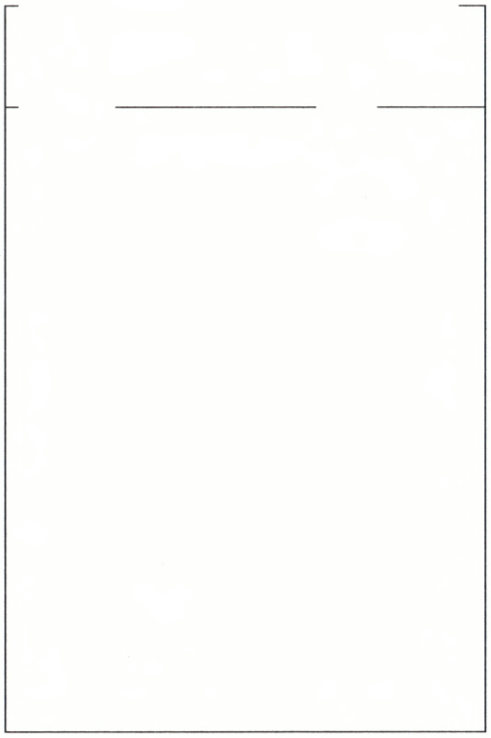

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