



BETO Peer Review
March 6, 2017

Nichole Fitzgerald
Peer Review Co-Chair
Bioenergy Technologies Office

Welcome!

2017 PROJECT PEER REVIEW

U.S. DEPARTMENT OF ENERGY
BIOENERGY TECHNOLOGIES OFFICE

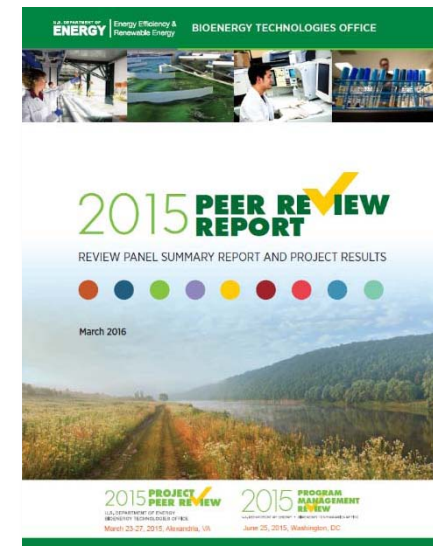
What is Project Peer Review?

What?

- Reviewers assess individual projects
 - Technical Approach
 - Progress
 - Relevance
 - Future Directions
- This is an opportunity to review progress and portfolio composition
- 2017 Peer Review Report will be published

Why?

- Inform decision-making on the modification, expansion, or discontinuation of existing projects
- Evaluate the strategic direction of the Office
- Biennial requirement of all EERE programs



Bioeconomy 2017 and Program Management Review

The 2017 Program Management Review

- Will be held July 13th at the Sheraton Pentagon City Hotel
- Results of the Project Peer Review will be presented by Lead Reviewers, along with an overall assessment of BETO's portfolio presented by the Steering Committee.
- The Program Management Review will take place the day after BETO's annual conference, Bioeconomy 2017

Bioeconomy 2017

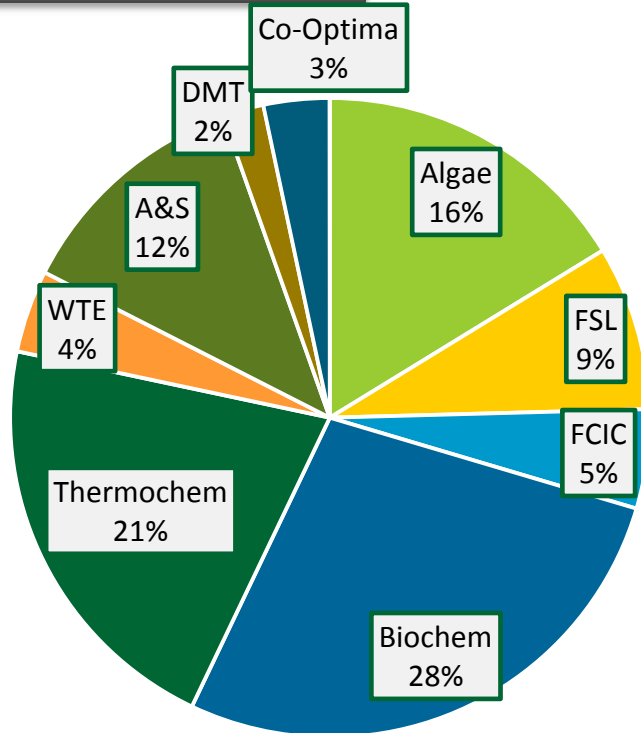
- Will be held July 11-12, 2017 at the Sheraton Pentagon City Hotel
- Convene key representatives from across the bioenergy supply chain, including industry, federal agencies, and Congress.



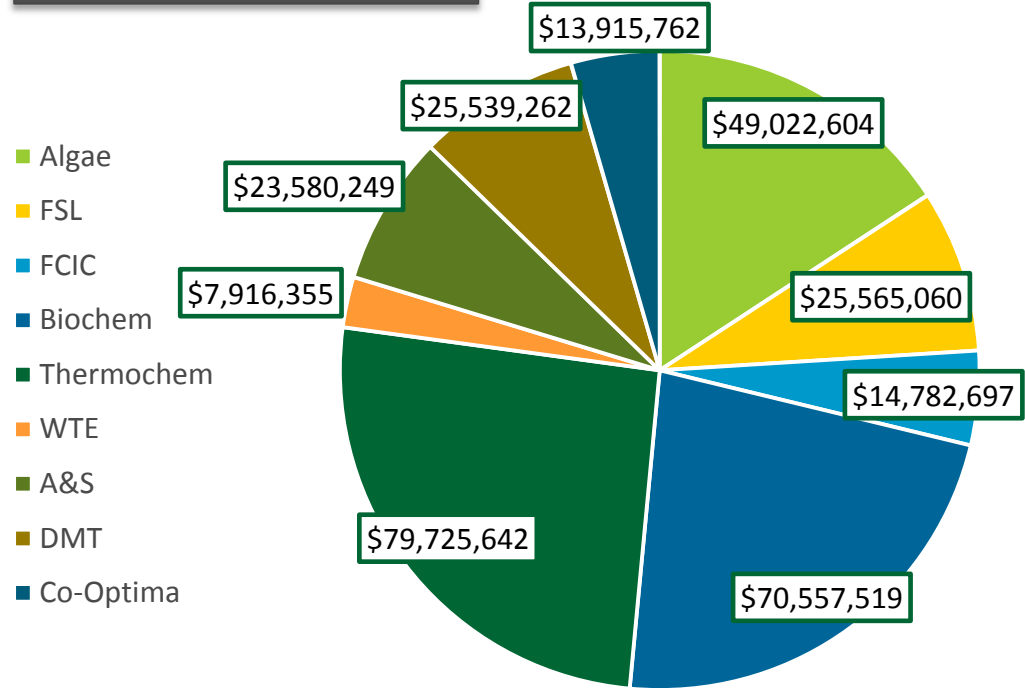
Presentations and Projects by Technology Area

The 2017 Project Peer Review will cover 277 projects (182 presentations) across 5 technology areas, representing a combined value (FY15-17) of ~\$300 M.

By # of Projects



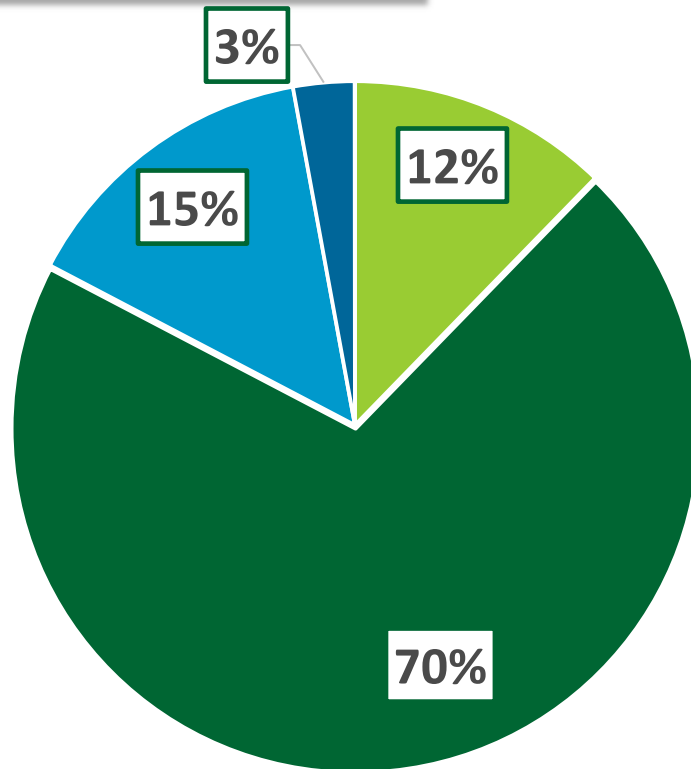
By Project Funding



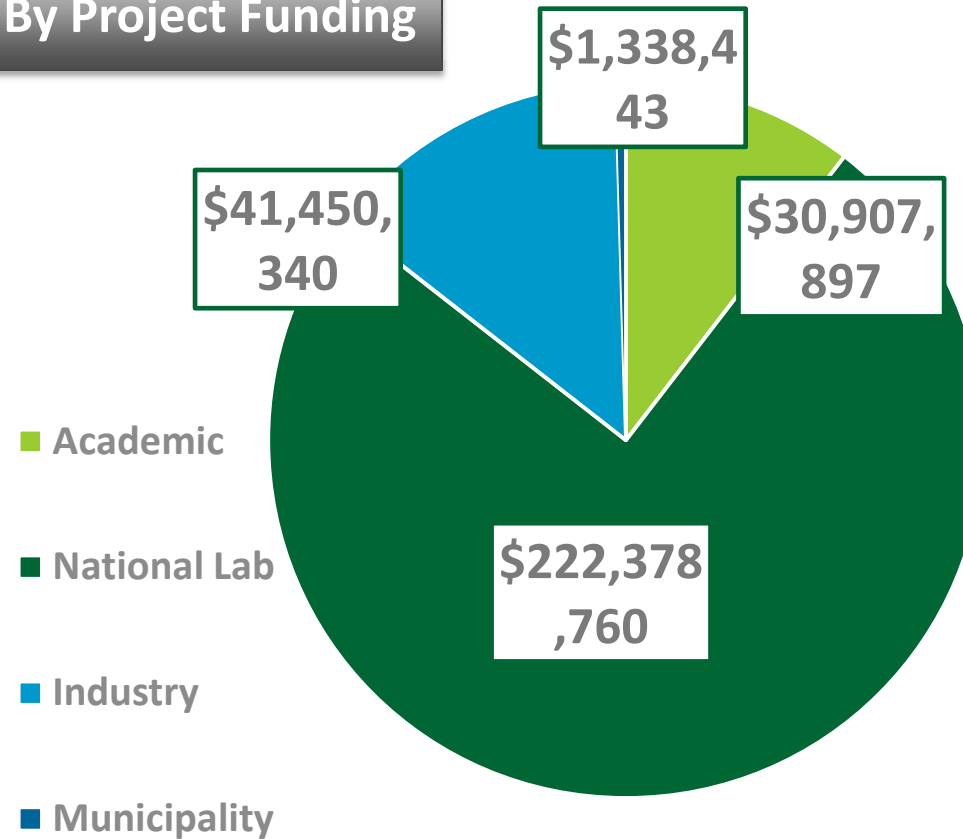
Projects by Affiliation of Project Recipient

Lab-directed projects constitute about 70% of BETO Projects and 75% of project funding. These charts reflect the affiliation only of the lead PI; many projects have lab, industry, and university partners.

By # of Projects

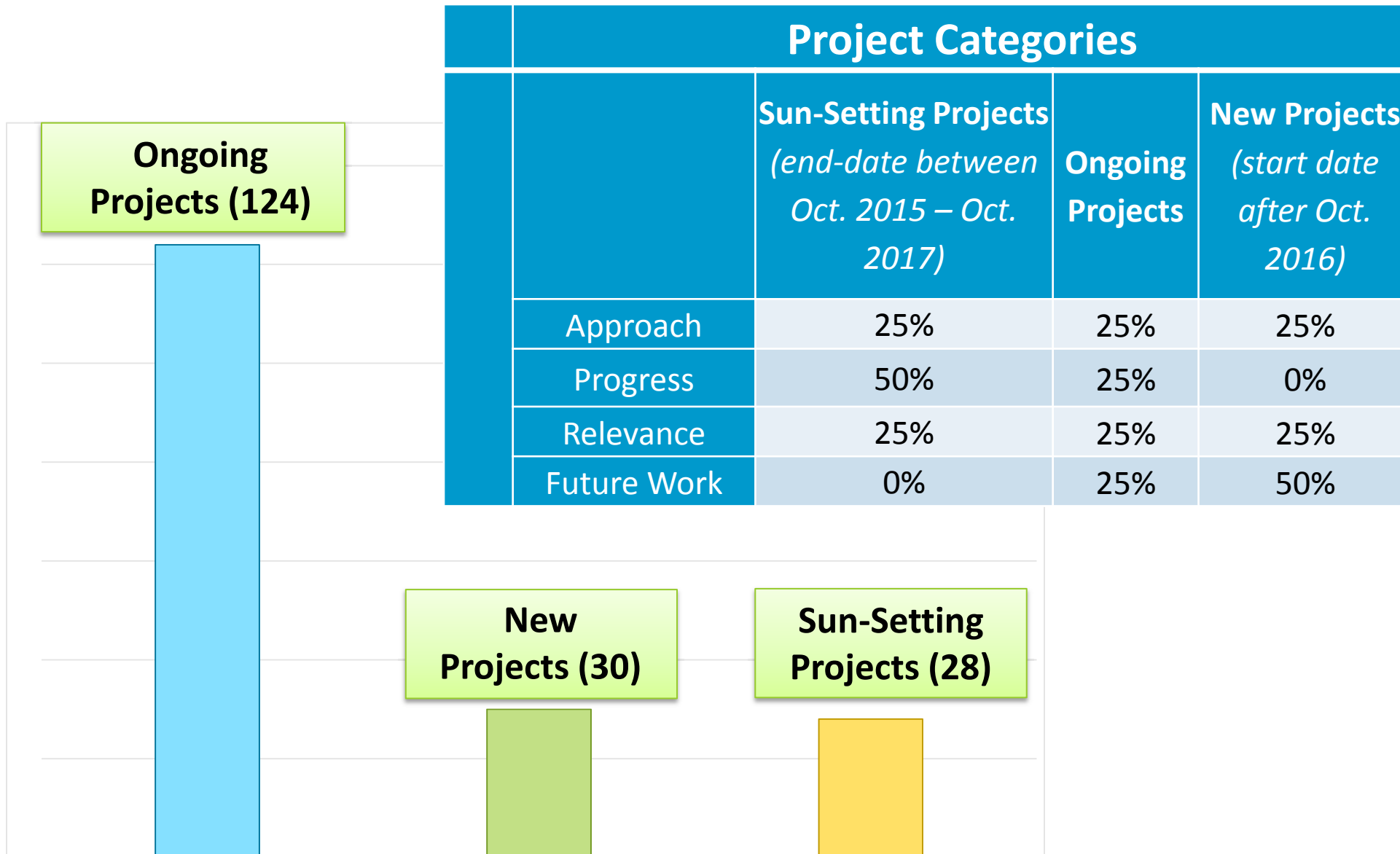


By Project Funding



- Academic
- National Lab
- Industry
- Municipality

Presentations by Review Category

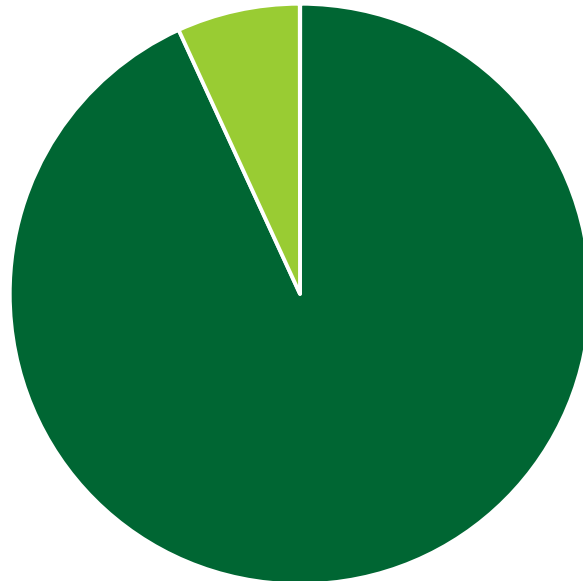


Reviewed Projects as Percentage of the Portfolio

This review will cover 93% of the projects in BETO's portfolio, which represents 99% of project funding.

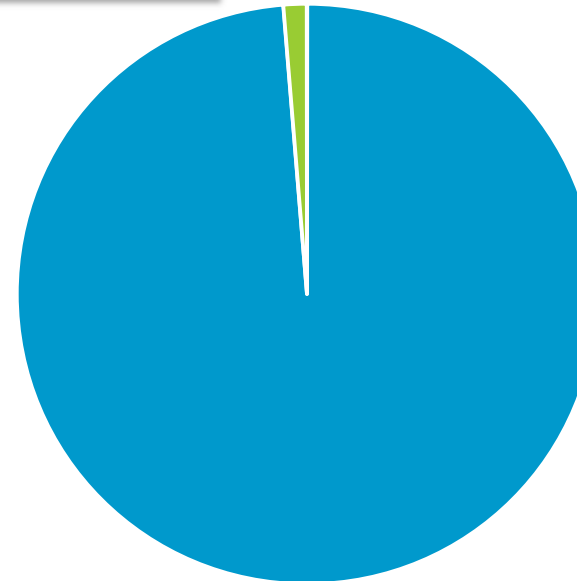
Project Reviewed		
Yes	258	\$292,227,317
No	19	\$3,848,122
Total	277	\$296,075,439

By # of Projects



■ Reviewed ■ Not Reviewed

By Project Funding



■ Reviewed ■ Not Reviewed

Who is here?

A special thanks to:

- **Steering Committee**
- **Reviewers**
- **PIs and Project Partners**
- **Bioenergy Technologies Office**
- **Co-Chair Valerie Reed**
- **Lauren Illing and Jim McVeigh**

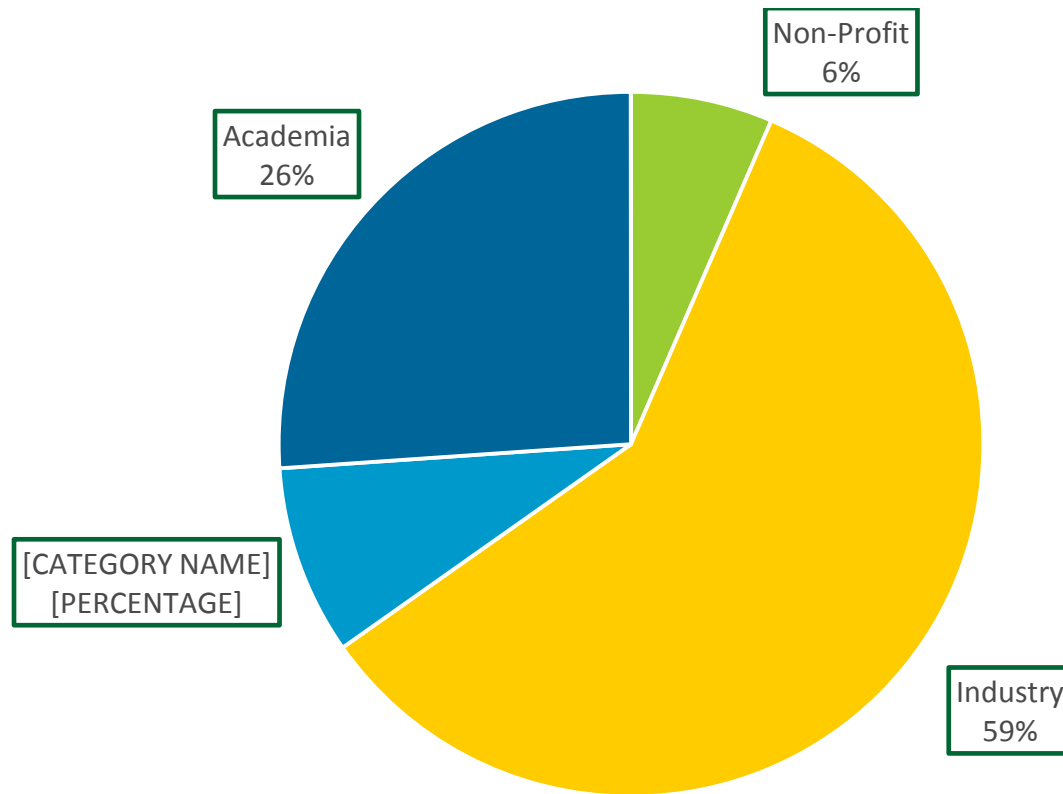
Who is here? Steering Committee

A special thanks to:

PEER REVIEW STEERING COMMITTEE	
NAME	AFFILIATION
Michael Lakeman*	Boeing
Steven Costa	U.S. Department of Transportation
Robert Graham	Ensyn
John May	Stern Brothers & Co.
Shelie Miller	University of Michigan
Dawn Mullally	American Lung Association
Robert (Bob) Rummer	University of Kansas
Bob Wooley	Biomass <i>ad infinitum</i> , LLC.

Who is here? Reviewers

Affiliation of Reviewers: BETO has recruited 46 leading experts in their field to serve as reviewers and members of the steering committee.



■ Non-Profit ■ Industry ■ Government ■ Academia

Who is here? Bioenergy Technologies Office



Reuben Sarkar
Deputy Assistant Secretary,
EERE Sustainable Transportation



Jonathan Male
Director, BETO



Valerie Reed*
Assistant Director, BETO



Kevin Craig
Program Manager,
Conversion R&D



Alison Goss Eng
Program Manager,
Advanced Algal
Systems
Feedstock Supply
and Logistics



Jim Spaeth
Program Manager,
Demonstration and
Market
Transformation



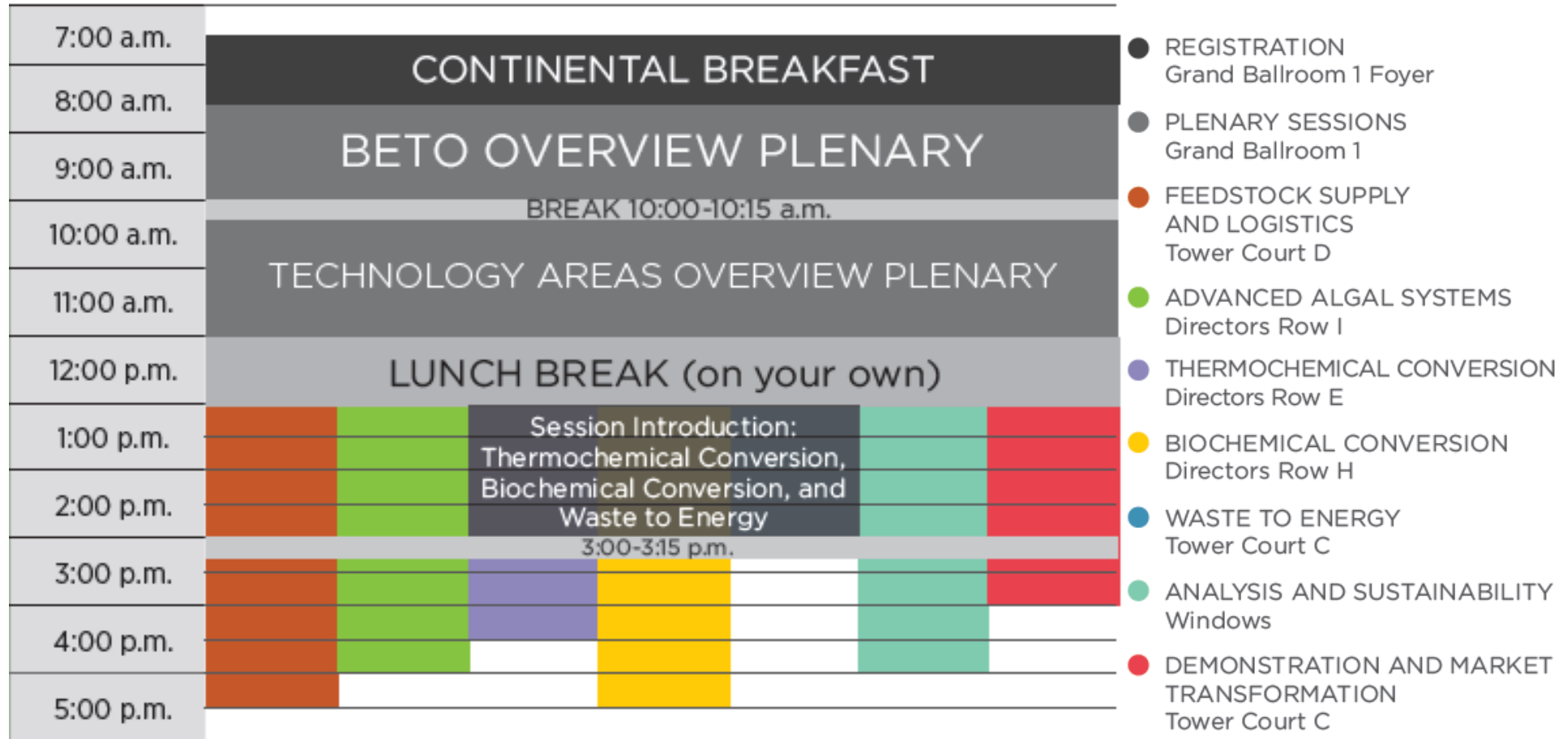
Zia Haq
Lead Analyst

***Peer Review Co-Chair**

Agenda

Day 1: MONDAY, MARCH 6, 2017			
START TIME	END TIME	Presentation Topic	Presenter
8:30 a.m.	8:40 a.m.	BETO Peer Review Introduction	<i>Nichole Fitzgerald</i>
8:40 a.m.	9:00 a.m.	Office of Energy Efficiency and Renewable Energy Sustainable Transportation Overview	<i>Reuben Sarkar</i>
9:00 a.m.	9:20 a.m.	BETO Overview	<i>Jonathan Male</i>
9:20 a.m.	9:40 a.m.	Strategic Plan	<i>Valerie Reed</i>
9:40 a.m.	10:00 a.m.	Analysis and Sustainability Program Overview	<i>Alicia Lindauer</i>
10:00 a.m.	10:15 a.m.	BREAK	
10:15 a.m.	10:35 a.m.	Feedstock Supply and Logistics Program Overview	<i>Alison Goss Eng</i>
10:35 a.m.	10:55 a.m.	Advanced Algal Systems Program Overview	<i>Alison Goss Eng</i>
10:55 a.m.	11:35 a.m.	Conversion Program Overview	<i>Kevin Craig</i>
11:35 a.m.	11:55 a.m.	Demonstration and Market Transformation Program Overview	<i>Liz Moore</i>
12:00 p.m.	1:00 p.m.	LUNCH BREAK (ON YOUR OWN)	

Agenda



- REGISTRATION
Grand Ballroom 1 Foyer
- PLENARY SESSIONS
Grand Ballroom 1
- FEEDSTOCK SUPPLY AND LOGISTICS
Tower Court D
- ADVANCED ALGAL SYSTEMS
Directors Row I
- THERMOCHEMICAL CONVERSION
Directors Row E
- BIOCHEMICAL CONVERSION
Directors Row H
- WASTE TO ENERGY
Tower Court C
- ANALYSIS AND SUSTAINABILITY
Windows
- DEMONSTRATION AND MARKET TRANSFORMATION
Tower Court C

Agenda & Logistics

- Continental breakfast begins at 7:30 each morning (Grand Ballroom Foyer)
- Lunch is on your own- tons of great options nearby!
- Plenary sessions begin at 8:30 Tuesday and Wednesday (Grand Ballroom)
 - Tuesday:
 - 2016 Billion-Ton Report: Overview and Sensitivity Analysis
 - Kristen Johnson, Mark Elless, and Laurence Eaton
 - Wednesday:
 - BETO Communications: Portfolio Overview
 - Sheila Dillard
 - Alternative Aviation Fuels: Initiative Overview
 - Zia Haq
 - Billion-Ton Bioeconomy: Initiative Overview
 - Alison Goss Eng
- Reviewers: Fill out the “Overall Impressions” portion of the reviewer tool

Thank you!

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