

# BETO Strategic Planning

## Program Review

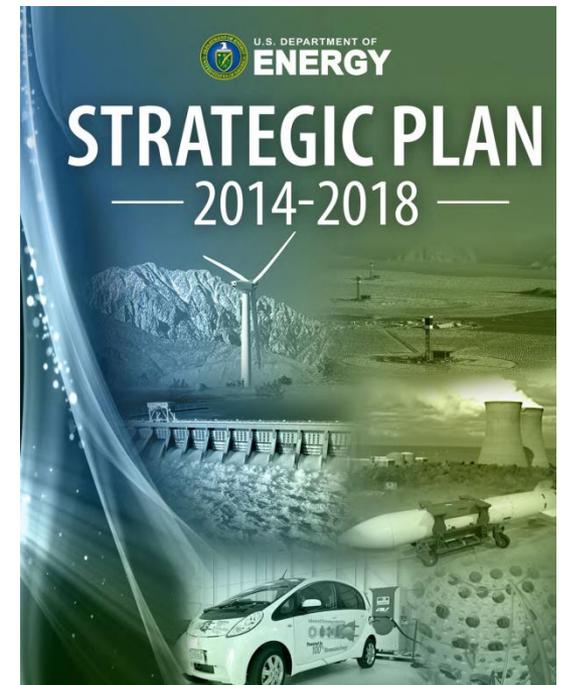
Valerie Reed

Deputy Director

Bioenergy Technologies Office

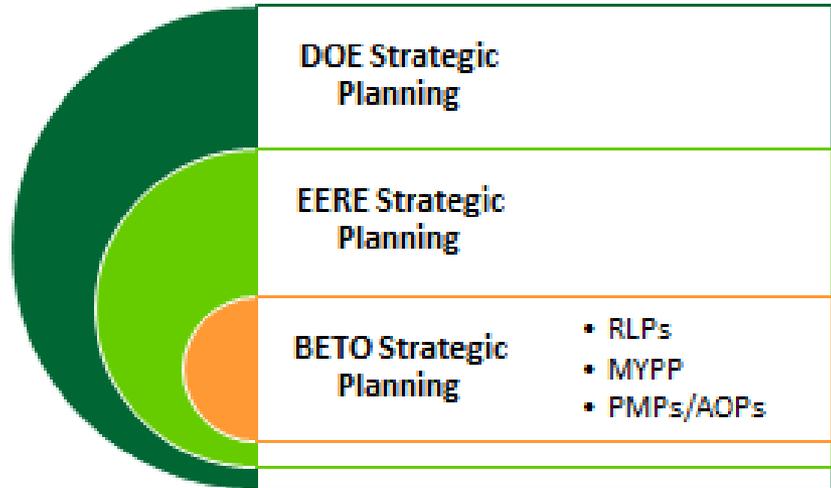
# DOE Corporate Level Strategic Planning

- A comprehensive blueprint to guide the agency's core mission of ensuring America's security and prosperity by addressing its energy, environmental, and nuclear challenges through transformative science and technology solutions.
- Four year duration
- Supports the President's goal to halve our net oil imports by 2020
- Accelerate development and deployment of new transportation system technologies to diversify fuel sources, increase efficiency and reduce emissions
- Work with states, localities and other stakeholders to develop climate change prevention/adaptation resilience strategies



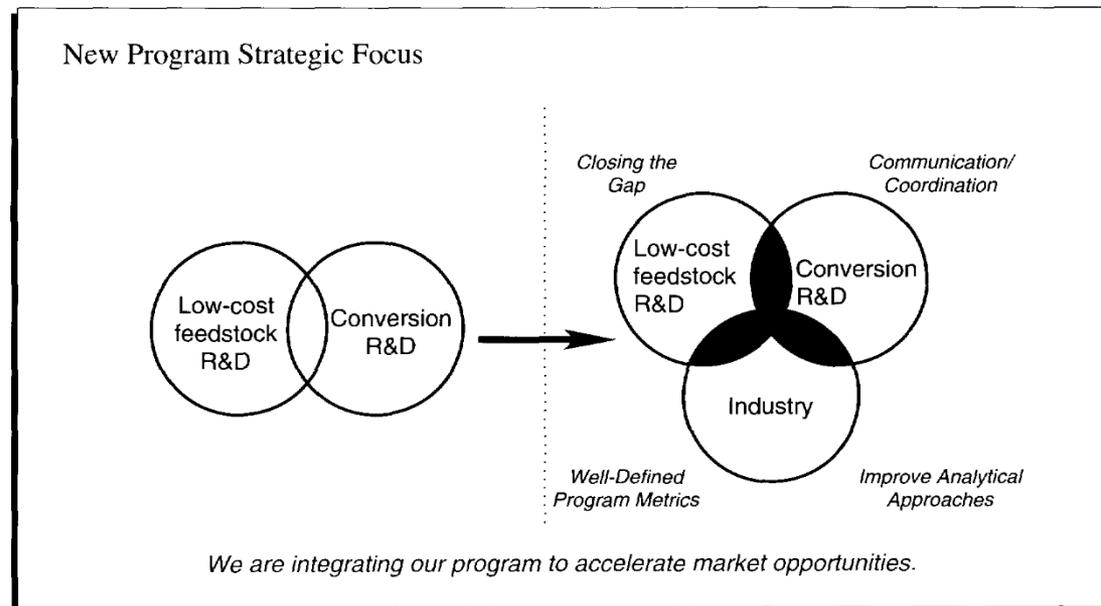
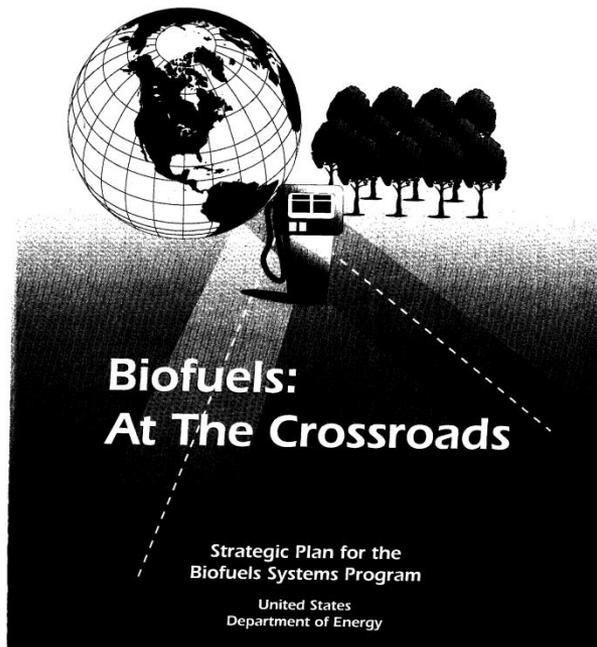
# BETO Strategic Planning

- **Continuous process**
- **Provides framework**
  - Alignment with EERE/DOE/Federal goals
  - Interactions with stakeholders
  - Inter- and intra-office collaborations/discussions across technology areas
  - Alignment of Office activities from project level to multi-year goal horizons
- **Purpose**
  - Align objectives and activities across multiple stakeholders and interests
  - Document goals, current state of technology, and strategic plans
  - Inform budget processes
  - Track progress
  - Integrate learning
- **Based on best practices for technology R&D planning and systems engineering**

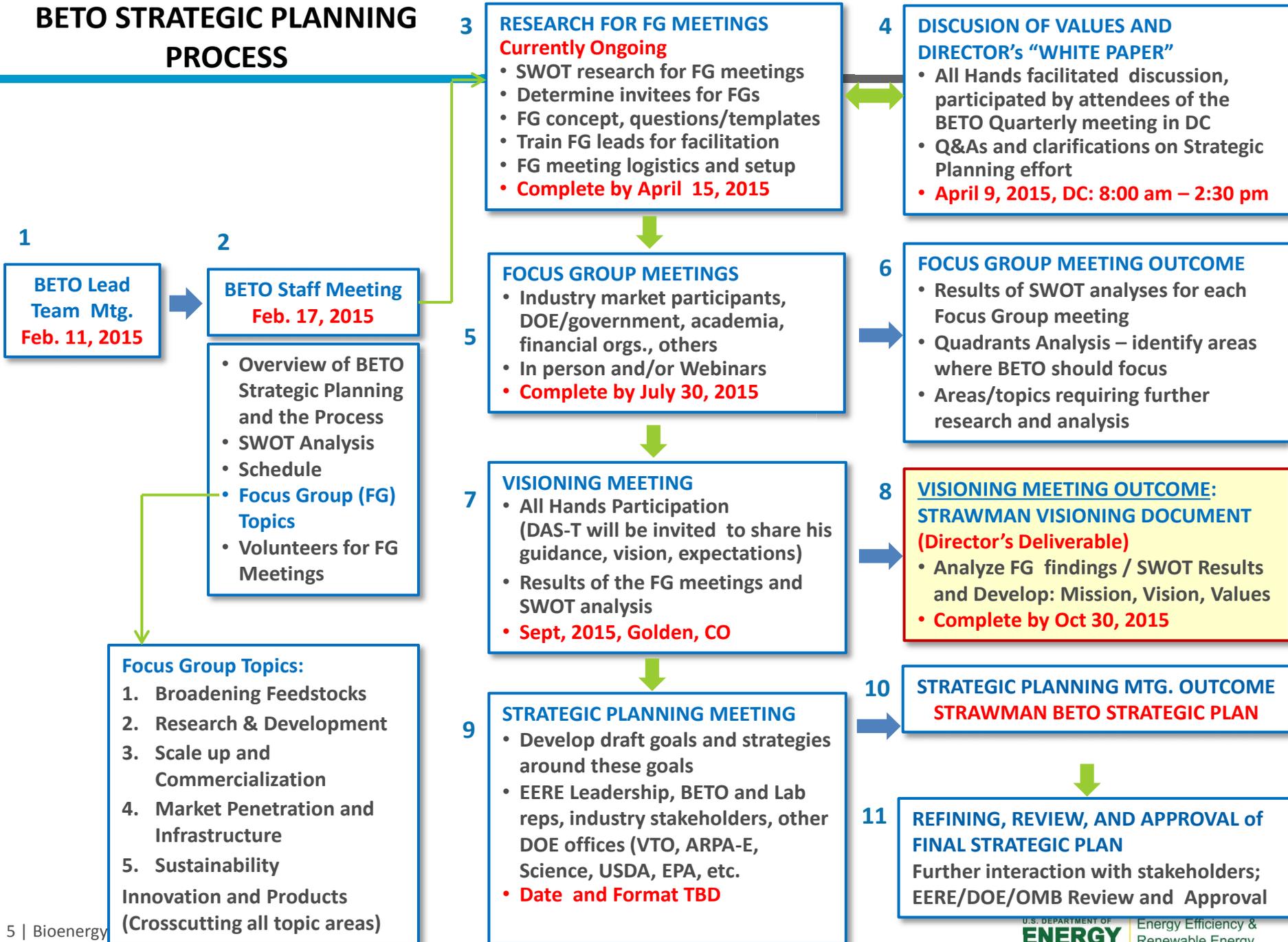


# BETO's Original Strategic Plan – circa 1999

- STRATEGIC GOAL #1:** *Close the gap between technology readiness and market opportunities.*
- STRATEGIC GOAL #2:** *Enhance the Biofuels Program management structure and procedures to produce a coordinated program with well-defined metrics.*
- STRATEGIC GOAL #3:** *Adopt an integrated, systematic, and comprehensive analytical process to guide program management.*
- STRATEGIC GOAL #4:** *Establish an effective external and internal communications, education, and coordination effort.*



# BETO STRATEGIC PLANNING PROCESS



1

**BETO Lead Team Mtg.**  
**Feb. 11, 2015**

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**BETO Staff Meeting**  
**Feb. 17, 2015**

- Overview of BETO Strategic Planning and the Process
- SWOT Analysis
- Schedule
- **Focus Group (FG) Topics**
- Volunteers for FG Meetings

**Focus Group Topics:**

1. Broadening Feedstocks
2. Research & Development
3. Scale up and Commercialization
4. Market Penetration and Infrastructure
5. Sustainability

Innovation and Products  
(Crosscutting all topic areas)

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**RESEARCH FOR FG MEETINGS**  
**Currently Ongoing**

- SWOT research for FG meetings
- Determine invitees for FGs
- FG concept, questions/templates
- Train FG leads for facilitation
- FG meeting logistics and setup
- **Complete by April 15, 2015**

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**DISCUSSION OF VALUES AND DIRECTOR'S "WHITE PAPER"**

- All Hands facilitated discussion, participated by attendees of the BETO Quarterly meeting in DC
- Q&As and clarifications on Strategic Planning effort
- **April 9, 2015, DC: 8:00 am – 2:30 pm**

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**FOCUS GROUP MEETINGS**

- Industry market participants, DOE/government, academia, financial orgs., others
- In person and/or Webinars
- **Complete by July 30, 2015**

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**FOCUS GROUP MEETING OUTCOME**

- Results of SWOT analyses for each Focus Group meeting
- Quadrants Analysis – identify areas where BETO should focus
- Areas/topics requiring further research and analysis

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**VISIONING MEETING**

- All Hands Participation (DAS-T will be invited to share his guidance, vision, expectations)
- Results of the FG meetings and SWOT analysis
- **Sept, 2015, Golden, CO**

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**VISIONING MEETING OUTCOME: STRAWMAN VISIONING DOCUMENT**  
**(Director's Deliverable)**

- Analyze FG findings / SWOT Results and Develop: Mission, Vision, Values
- **Complete by Oct 30, 2015**

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**STRATEGIC PLANNING MEETING**

- Develop draft goals and strategies around these goals
- EERE Leadership, BETO and Lab reps, industry stakeholders, other DOE offices (VTO, ARPA-E, Science, USDA, EPA, etc.)
- **Date and Format TBD**

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**STRATEGIC PLANNING MTG. OUTCOME**  
**STRAWMAN BETO STRATEGIC PLAN**

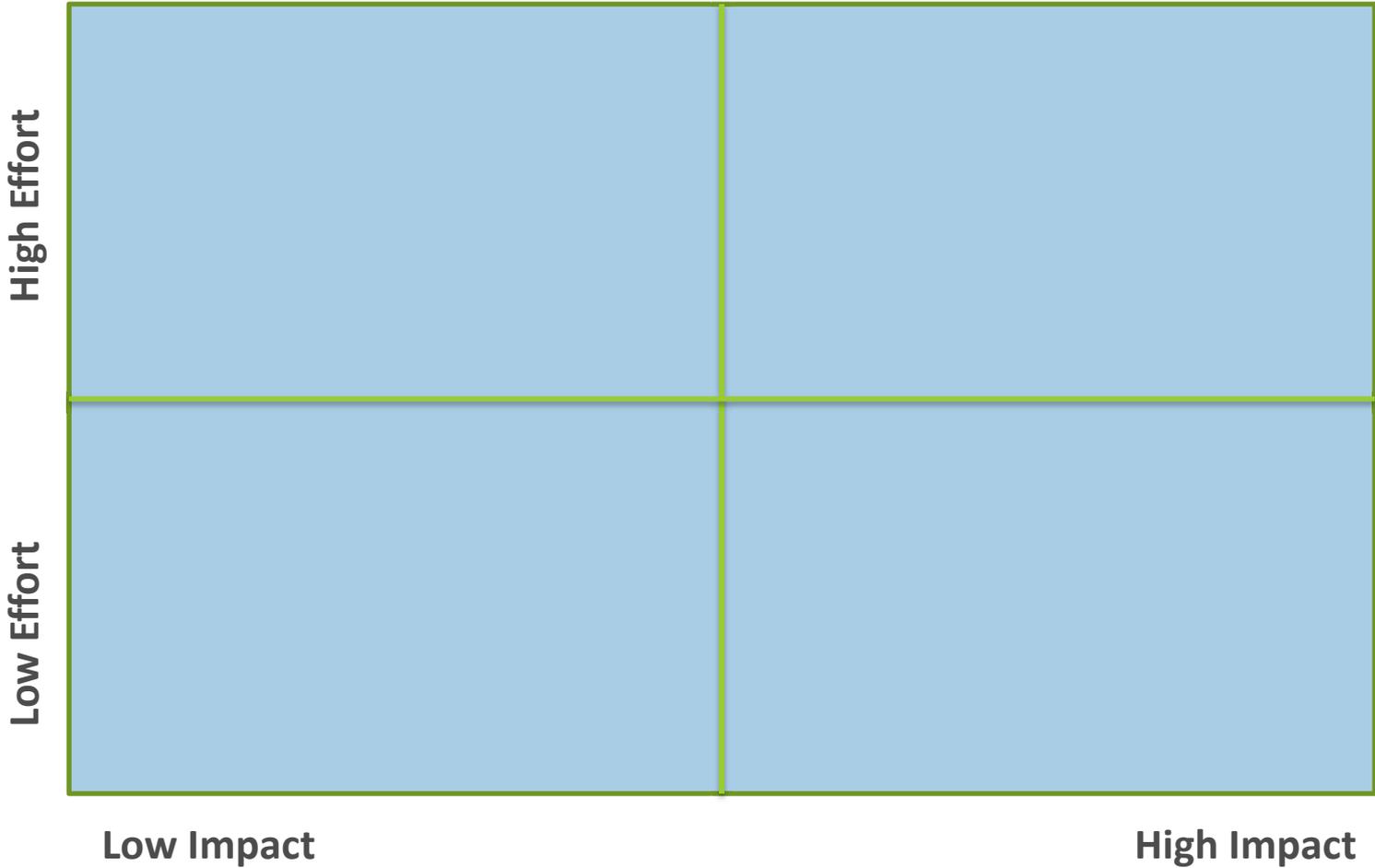
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**REFINING, REVIEW, AND APPROVAL OF FINAL STRATEGIC PLAN**

Further interaction with stakeholders; EERE/DOE/OMB Review and Approval

# SWOT Analyses and Prioritization

## QUADRANTS ANALYSIS



# Collaboration

- Valerie Reed, Ph.D.
  - 22 years experience at DOE in conversion R&D, algae, deployment and management
  - Deputy Director  
BETO/DOE

**Detail: USDA: Senior  
Advisor for Bioenergy:  
Chief Scientist Office**

- Harry Baumes, Ph.D.
  - 30 years in the domestic and international agriculture sector
  - Director of the Office of Energy Policy and New Uses/USDA

**Detail: DOE: Senior  
Advisor for Bioenergy:  
BETO**