CCTP Working Group Structure

Climate Change Technology Program
Director: David Conover
Deputy Director: Robert Marlay
DOC (NIST), State, USAID, USDA, DOI, HHS (NIH), DOD, DOT, EPA, NASA, NSF, OSTP

Energy Production
Gail Marcus

- Hydrogen
- Renewable & Low Carbon Fuels
- Renewable Power
- Nuclear Power (Fission/Fusion)
- Low Emissions Fossil-Based Power
- Enabling Elements of the Electric Grid & Infrastructure

Energy Efficiency
Mark Ginsberg

- Transportation
- Buildings
- Industry
- -Low GHG & Efficient Processes
- -GHG Capture
- - Low or Net-Zero GHG Materials
- - Low or Net-Zero GHG Feedstocks

Sequestration
Bill Hohenstein
Jay Braitsch
Sam Hamilton

- Geologic
- Terrestrial
- Ocean
- Products/Materials

Basic Research
Ari Patrinos

- Biotechnology
- Physical Sciences
- Computational Sciences
- Environmental Sciences

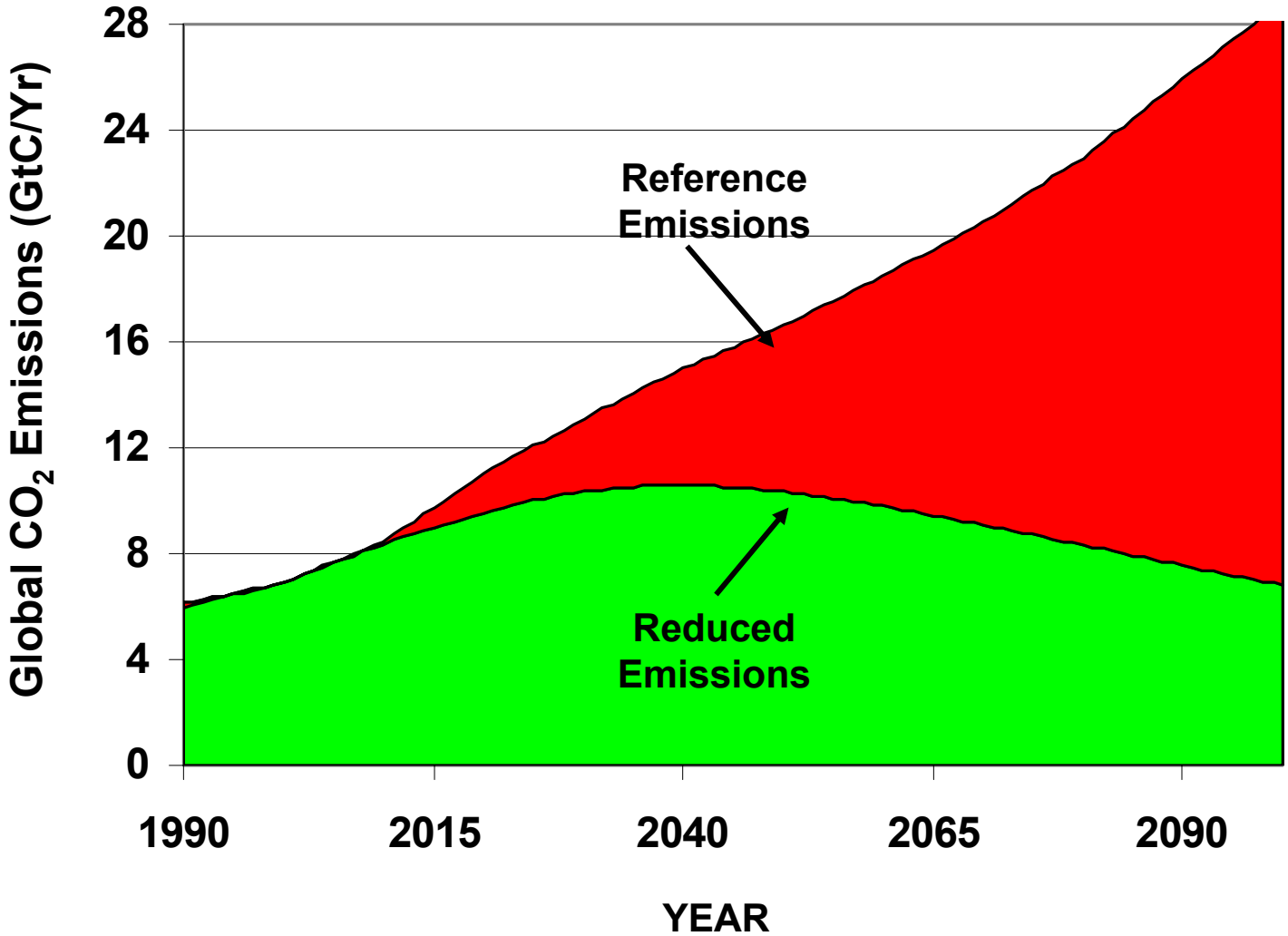
Monitoring and Measurement
Ron Birk

- Sensors and Platforms
- Global Monitoring
- Monitoring Area Sources
- Inventory Methods

Other Gases
Dina Kruger

- Natural Gas Systems
- Agric. Methane & Other Gases
- High GWP Gases
- Nitrous Oxide
- Ozone Precursors
- Black Carbon

Global Climate Change – The Role for DOE and New Technology



May 5, 2003

CCTP 2003 Deliverables

- Input to ’05 Budget on CCTP Priorities
- Multi-Agency R&D Baseline for FY 2003 (improved climate change technology criteria and cross-cut)
- Key Technologies and Profiles
- Current activities report
- RFP for NCCTI Competitive Solicitation Program
- CCTP Summary Report for activities of FY 2003
- CCTP Strategic R&D Plan

Input to ’05 Budget

- 2005 programmatic deliberations on-going
- CCTP focus on highest-priority items
- Emphasize either
  - Changes between existing programs
  - Termination or initiation of programs

Multi-agency R&D Baseline

- Climate technology activities for FY 02-04
- Meets CCTP climate change technology classification criteria, including:
  - Reduces or avoids GHG emissions
  - Captures and/or stores GHG emissions
  - Monitors/measures emissions
  - Improves or displaces other GHG-emitting technologies
  - Enables or facilitates other GHG-emissions reductions
  - Basic research

Key Technologies and Profiles

- Public showcase of on-going R&D
- Revision of November 2002 NCCTI report
  - 86 key technologies and profiles
- Screened through classification criteria
- Foundation for Current Activities Report

Current Activities Report

- Major initiatives in climate change technology
  - Hydrogen fuel/fuel cell car
  - ITER
  - GEN IV
  - CSLF/FutureGen
- Accessible and educational for college-trained stakeholders
- How advanced technology can contribute to achieving UNFCCC GHG stabilization goal

NCCTI RFP

- $40M requested in ’04 budget for
  - Innovative proposals to reduce, avoid, sequester, or measure/monitor GHG emissions
- RFI closed in 1/03 with 178+ responses
- Working Groups analyzing responses:
  - Suitability for existing or planned solicitations
  - Gaps in RD&D continuum or technology area
- RFP likely July/August, subject to funding

CCTP Summary Report, FY03

- Summary of
  - organizational activities
  - public outreach
  - deliverables
- Parallel to CCSP's *Our Changing Planet*
- On-going, annual publication

CCTP Strategic R&D Plan

- Based on plausible 50/100 year technology paths to elimination of net GHG emissions
- Product of public workshops in Fall 2003
- Working five-year investment plan
- Subsections on each major technology area