

7th Annual LMOP Conference & Project Expo



*U.S. Environmental Protection Agency
Landfill Methane Outreach Program (LMOP)
"10 Years and Still Going Strong"*



Conference Highlights



- **Schedule**
- *Awards Luncheon and Keynote*
- *LMOP's 10th Anniversary Retrospective*
- *Project Expo*
- **Exhibits**
- **Tuesday Evening Reception**
- **Thank our sponsors!**
- *Waste Management, Exelon Services Federal Group, LFG Specialties*

State of the LFGE Industry

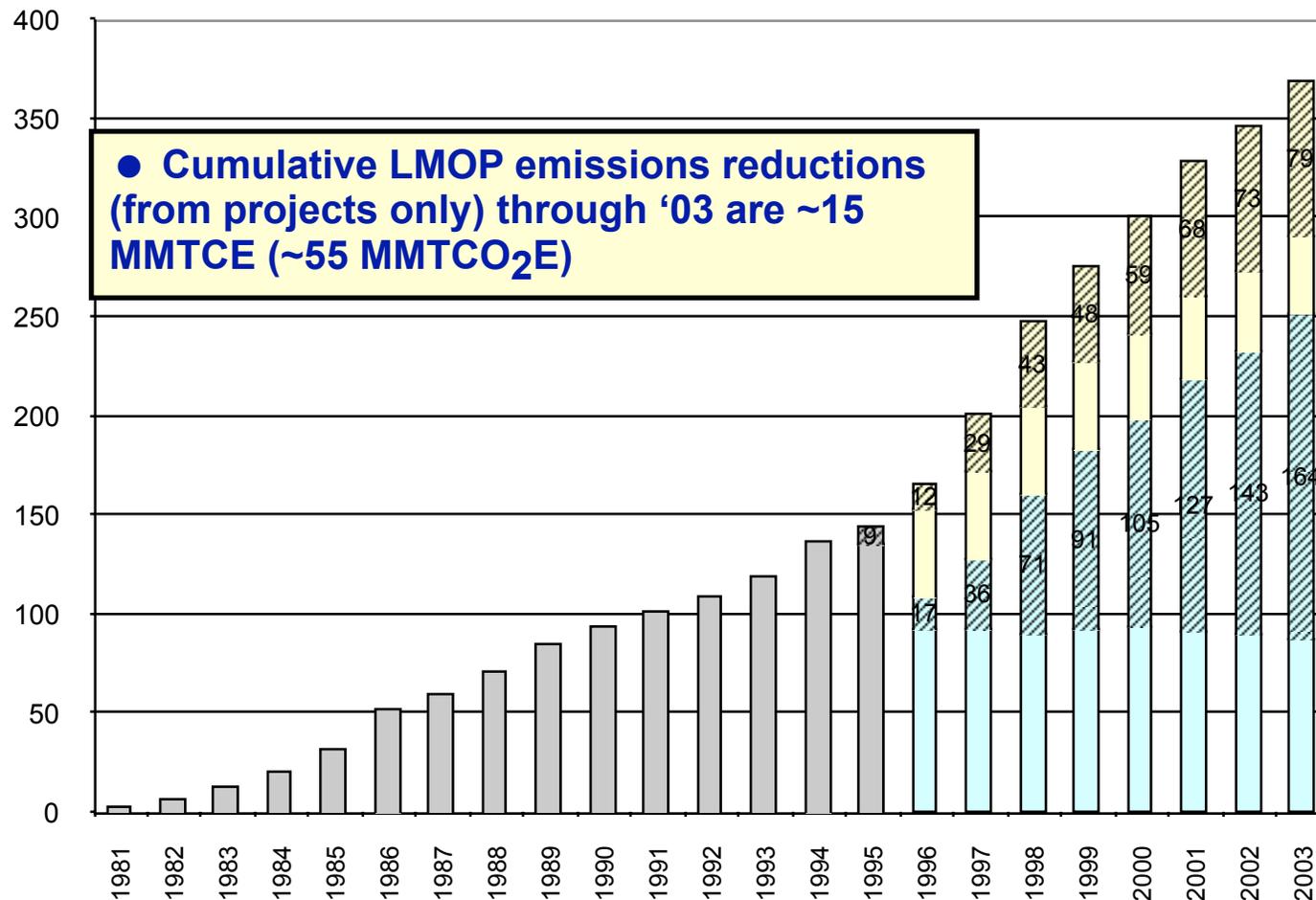


- **359 operational projects**
- **8 billion kWhs of electricity produced and 75 billion cubic feet of gas delivered in '03**
- **Over 100 under construction & planned projects**
- **More than 600 candidate landfills with 1,500 MW of potential capacity or 290 billion cu. ft./yr of LFG for direct use**
- ***~17 MMTCE potential emissions reductions***

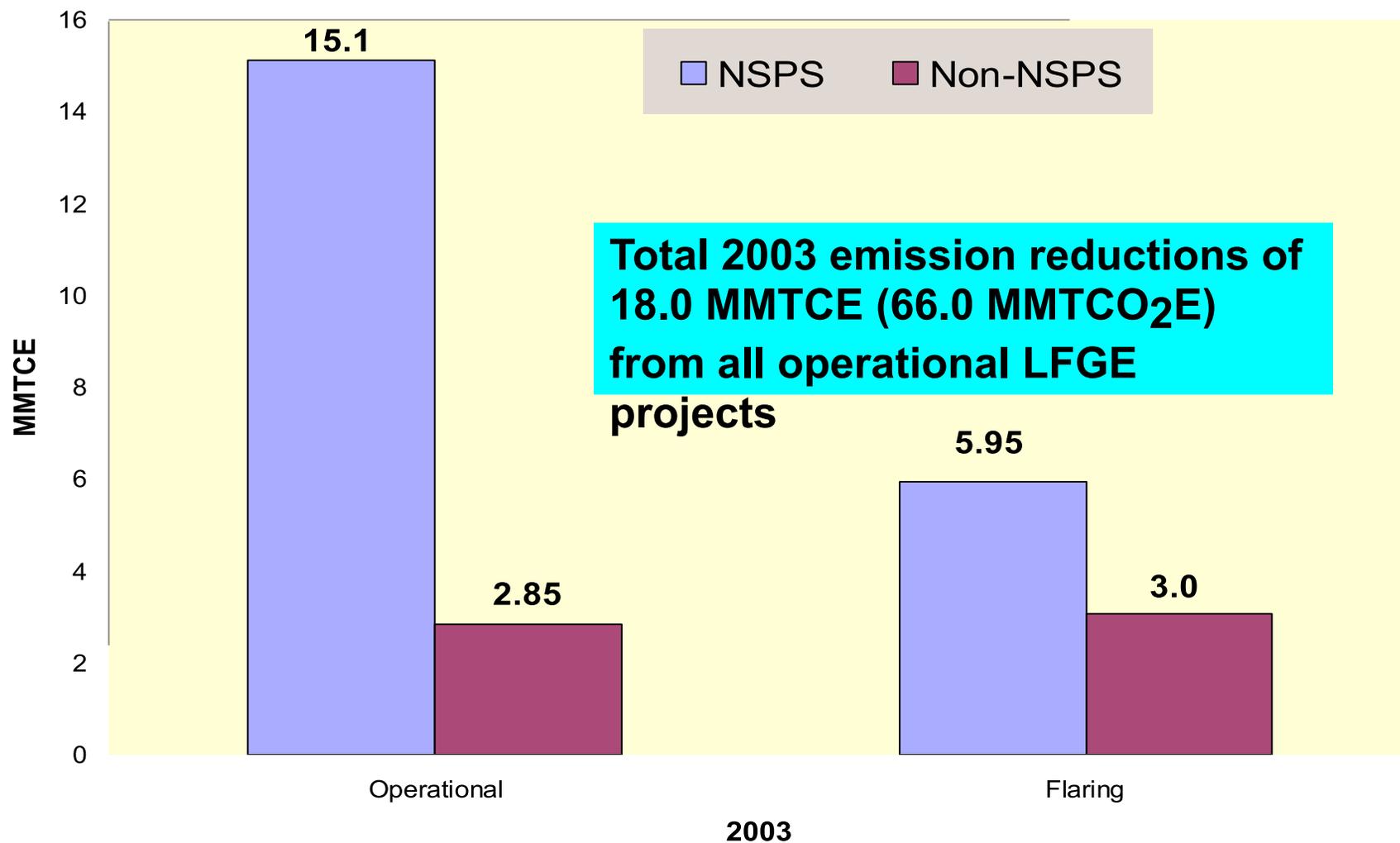
Growth in Landfill Gas Energy Project Development



- NSPS/EG ▨ LMOP NSPS/EG
- Non-NSPS/EG ▩ LMOP Non-NSPS/EG
- Pre-NSPS/EG ▧ LMOP Pre-NSPS/EG



'03 Estimated Annual Emission Reductions from all LFGE



Environmental Benefits



- Estimated **Annual Benefits:**
 - Planting **18,000,000 acres of forest,**
 - Preventing the use of **140,000,000 barrels of oil,**
 - Removing emissions equivalent to **13,000,000 cars,** or
 - Offsetting the use of **295,000 railcars of coal.**



2003 - A Year of Diversity

- ***New Projects***

- BMW
- SC Johnson
- NASA
- Dominion East Ohio Gas
- GM (4th project)
- Antioch High School

LMOP Partner Update



- **As of December, over 370 partners and endorsers**
- **Over 25 new partners since January 2003**

THANKS!



The future looks good....

- Currently over 600 candidate landfills and a total MW potential of over 1,700 MW.
- Total expected annual environmental benefits if all projects were developed/producing power:
 - Planting over 20 million acres of forest, or
 - Removing the emissions from over 14.6 million cars on the road, or
 - Powering over 1 million homes per year.