

# Green Chemistry Initiative

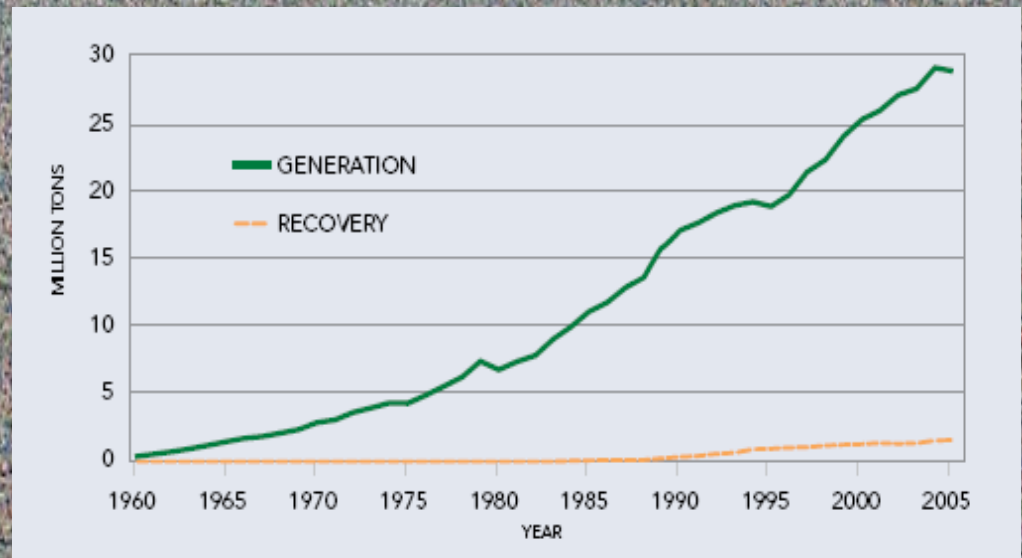
*Managing Contaminants of Emerging Concern  
Costa Mesa, April 28-29, 2009*

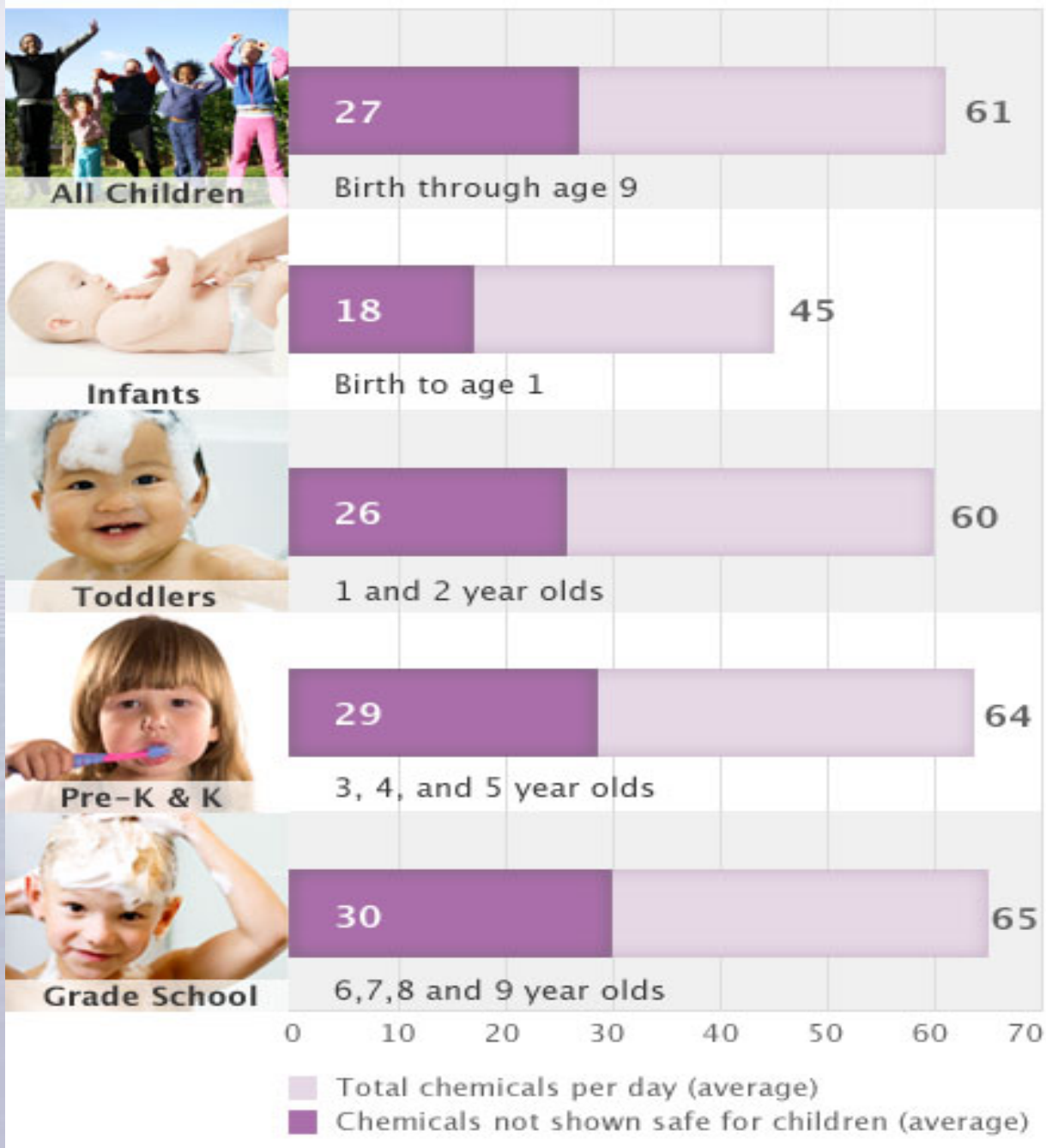
*Maziar Movassaghi, Acting Director, DTSC*

# *Reduce Chemicals of Concern in Marine Debris*



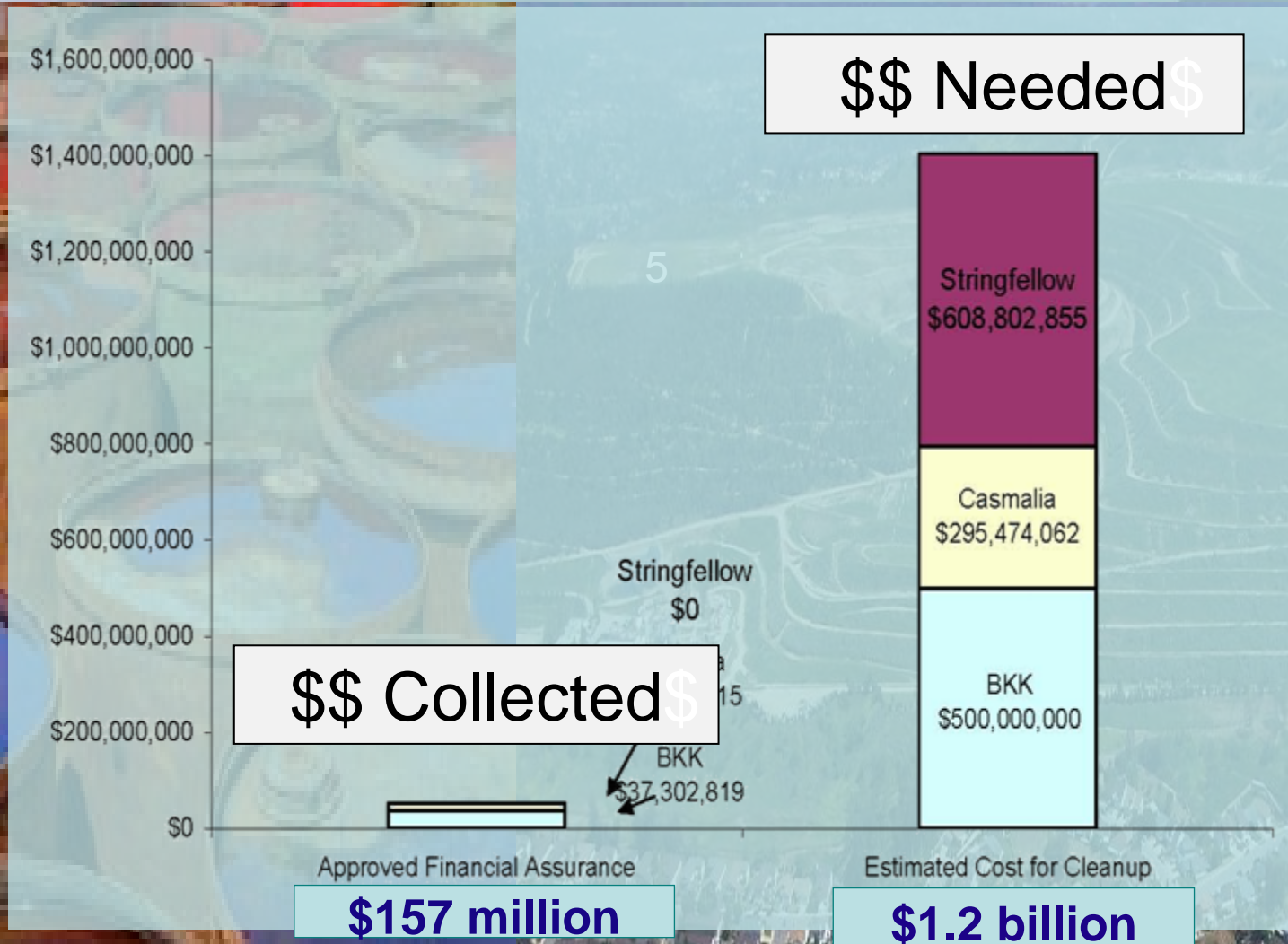
***2.5 million plastic beverage bottles discarded every hour in U.S. Only 3% of plastic is recycled.***





# *Childhood Toxics Exposure from Products*

# Reduce Long-Term Waste Management Cost by Taxpayer



# *Chemical-by-Chemical Bans – A piecemeal approach*

- **Bans** on certain brominated flame retardants
- **Ban** on lead in jewelry
- **Ban** on toxics in packaging
- **Ban** on mercury in certain devices
- RoHS **ban** on covered electronics

This approach is not comprehensive and authority not specific

# *What is Green Chemistry?*

- *Cradle to Cradle*

New approach to environmental protection

- *Benign by Design*

Making products & processes safe from the design stage



# *Three Strategies*

- Build Capacity
- Increase Infrastructure
- Create Tools for Better Decisions

# *Six Policy Recommendations*

- 1. Expand Pollution Prevention**
- 2. Develop Green Chemistry Workforce, Education, Research and Tech Transfer**
- 3. Create an Online Product Ingredient Network**
- 4. Create an Online Toxics Clearinghouse**
- 5. Accelerate the Quest for Safer Products**
- 6. Move Toward a Cradle-to-Cradle Economy**

# *Green Chemistry: Two New Laws*

- AB 1879 (Feuer): Framework to respond to chemicals of concern and to assess alternatives
- SB 509 (Simitian): Increase information about toxicity for chemicals via an online portal

**We look forward to working with you during and after this workshop to help identify:**

- *Priority chemicals of concern*
- *Key data gaps*
- *Opportunities for collaboration*

***Your ideas are very important to us!***

# *We are Co-sponsoring an Upcoming Conference on Micropollutants in Water*



International  
Water Association



Groundwater  
Resources Association  
of California

## **MICROPOL & ECOHAZARD 2009**

**6th IWA/GRA Specialized Conference on Assessment and Control of Micropollutants/Hazardous Substances in Water**

June 8-10, 2009

San Francisco, California

**Department of Toxic Substances Control, Conference Co-Sponsor**