Introducing CCAC and the MSW Initiative
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CLIMATE AND CLEAN AIR COALITION (CCAC)

- Voluntary, partner-led (total 72 now) “Coalition of the Working” – governments, IGOs, NGOs and private sector
- First global effort to treat SLCPs as a collective challenge – based on science and initiatives – catalytic
- Complementary to global efforts to reduce CO2 – and to improve health and crop yields

More
Ministers and CEOs, September 2013, Oslo
Triple Imperative for action

Reducing short-lived climate pollutants (black carbon, methane, tropospheric ozone, some HFCs)

Health benefits – SLCPs affect human health - premature deaths

Landfills are the third largest source of global anthropogenic methane emissions, and open garbage burning emits black carbon and other pollutants, including dioxin emissions, a major health concern.

Climate benefits – SLCPs contribute to near term global and regional climate change

• BC and O3 disturb rainfall and regional circulation patterns
• BC darkens snow and ice, exacerbating melting
SLCP actions need to be complemented by deep and rapid cuts in CO2 emissions if global mean temperature increase over the 21st Century is to be held below 2°C.
16 SLCP Measures
Source: UNEP/WMO Assessment 2011

**Black carbon**
- Improve stoves (biomass to LPG/biogas, wood to pellet)
- Upgrade brick kilns
- Use particle filters for diesel vehicles
- **Reduce open burning from municipal waste**

**Methane**
- Degasification, recovery and use (Oil and Gas)
- **Recovery from municipal waste & wastewater treatment**
- Reduce emissions from agriculture

**HFCs**
- Non-HFC technologies for refrigeration
- Low-GWP, high energy-efficient foam blowing technologies
- Efficacy for cooling technologies

16 measures:
- ✔ ≈ 40% methane, ≈ 80% BC in 2030 (rel. to BAU)
- ✔ No technical breakthroughs
- ✔ Already implemented in many countries
- ✔ Half reductions at low cost or cost-neutral

✔ No ‘one-size-fits-all’ solution
- ✔ Further R&D for effective and affordable alternatives and relevant infrastructure
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Initiative Objective and Goals

Overall Objective: Fostering partnerships, political will, and technical tools to enable cities to make lasting actions to mitigate short lived climate pollutants from the Municipal Solid Waste sector.

Long term goals being discussed:
- quantifiable and meaningful to be achieved over time
- be inspirational; elevate SLCPs from waste to political discussions.

Potential goals:
- emissions reduction goals for participating cities;
- number of countries implementing enabling policies;
- number of cities that have completed the program and go on to mentor other cities.
Holistic Waste Management

CCAC MSW Initiative

Mitigating SLCP Emissions

- Emissions monitoring
- Assessments
- Action Plans
- Capacity building
- Investment
- Implementation

SLCP Reduction as part of Holistic MSW

- Methane
- Black carbon
- Tropospheric ozone
- HFCs

Lifecycle

Most preferred

- Prevention
- Reduction
- Recycling
- Recovery
- Disposal

LCA preferred

- Raw Material Extract
- Waste Mgmt.
- Transport
- Manufacture
- Use
- Transport
A web-based Knowledge Platform launched THIS WEEK – WE NEED YOUR FEEDBACK. WHAT KIND OF INFORMATION ARE YOU LOOKING FOR??
Generating Political Will and Push

High-level engagement: CCAC HLA in Sept 2013 on MSW

- “We encourage additional cities to participate in this global network and to take concrete action to reduce SLCPs.”

- “We will call upon our waste experts to provide technical assistance.”

- “We will also work with domestic and international financing institutions to invest in new efforts on sustainable waste management in participating cities.”