



BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

AGENDA: 3

Climate Protection Program Update

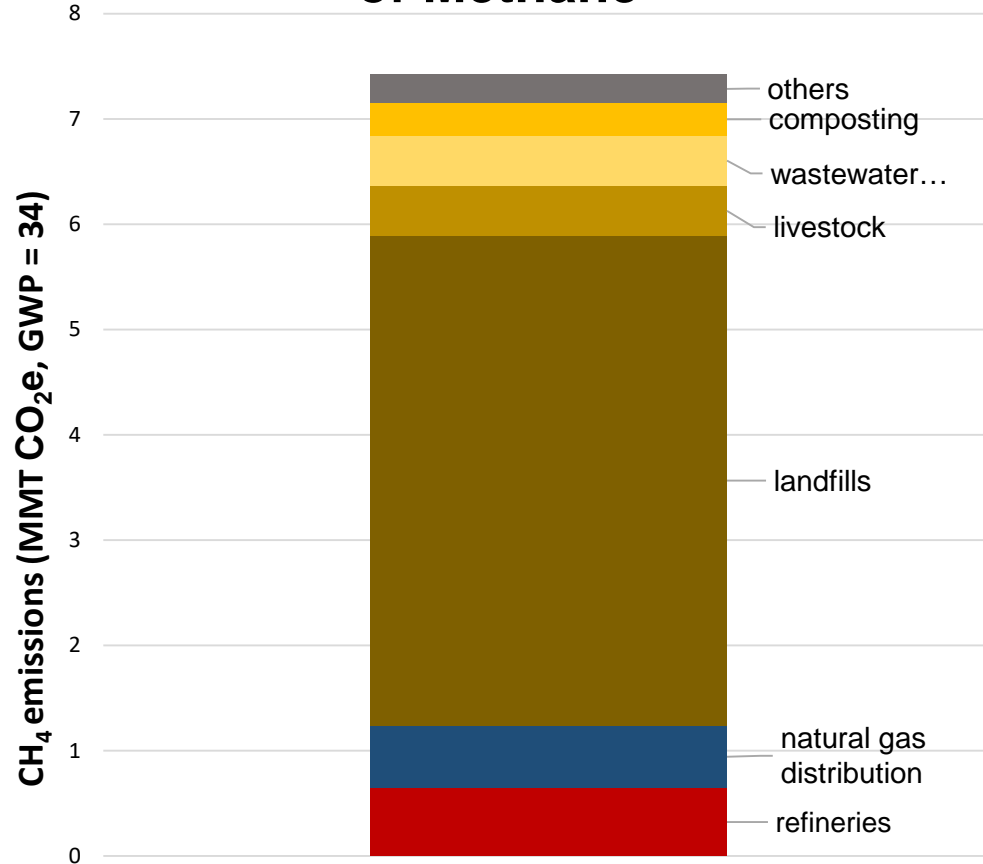
**Climate Protection Committee Meeting
April 22, 2020**

**Greg Nudd
Deputy Air Pollution Control Officer**

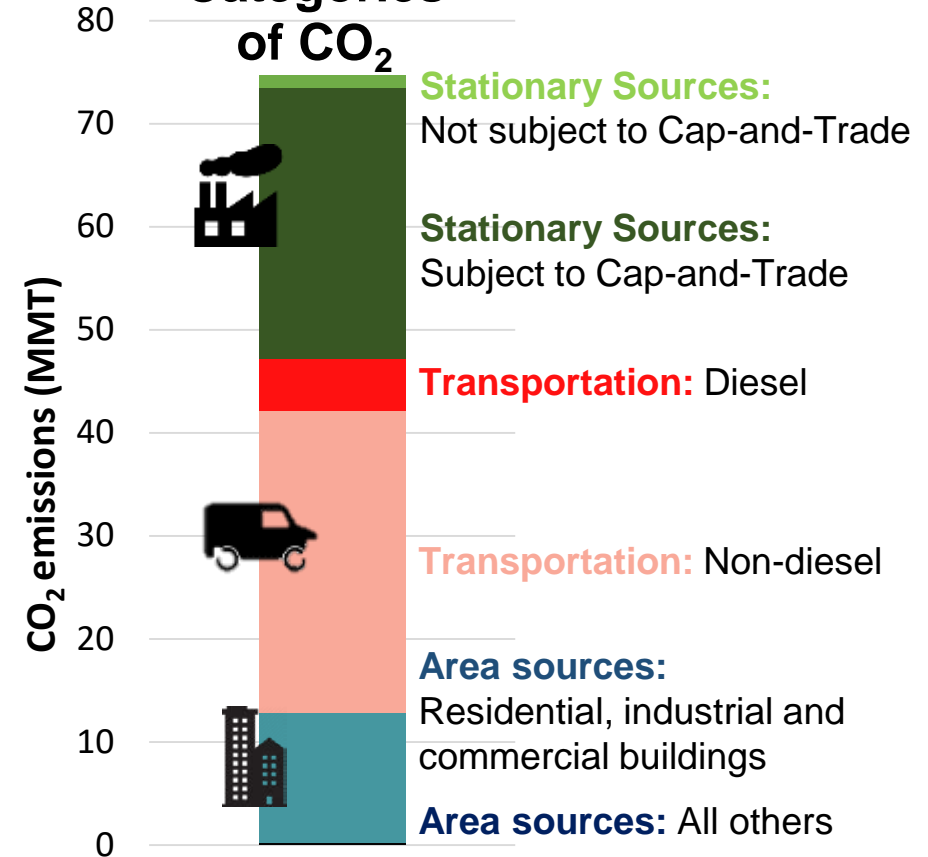
Bay Area Greenhouse Gas (GHG) Emissions



Major Source Categories of Methane



Major Source Categories of CO₂



GHG Rule Development



Rule Development Project	Status	Board Hearing
Rule 13-5: Petroleum Hydrogen Plants	Workshop	Fall 2020
Rule 13-2: Organic Material Handling	On hold	n/a
Rule 13-3: Composting Operations	Delayed	n/a
Building Decarbonization – concepts under development	TBD	TBD

Funding for Electric Vehicles (EVs)



Charge!

Grants for publicly accessible electric vehicle infrastructure



**CLEAN CARS
FOR ALL**

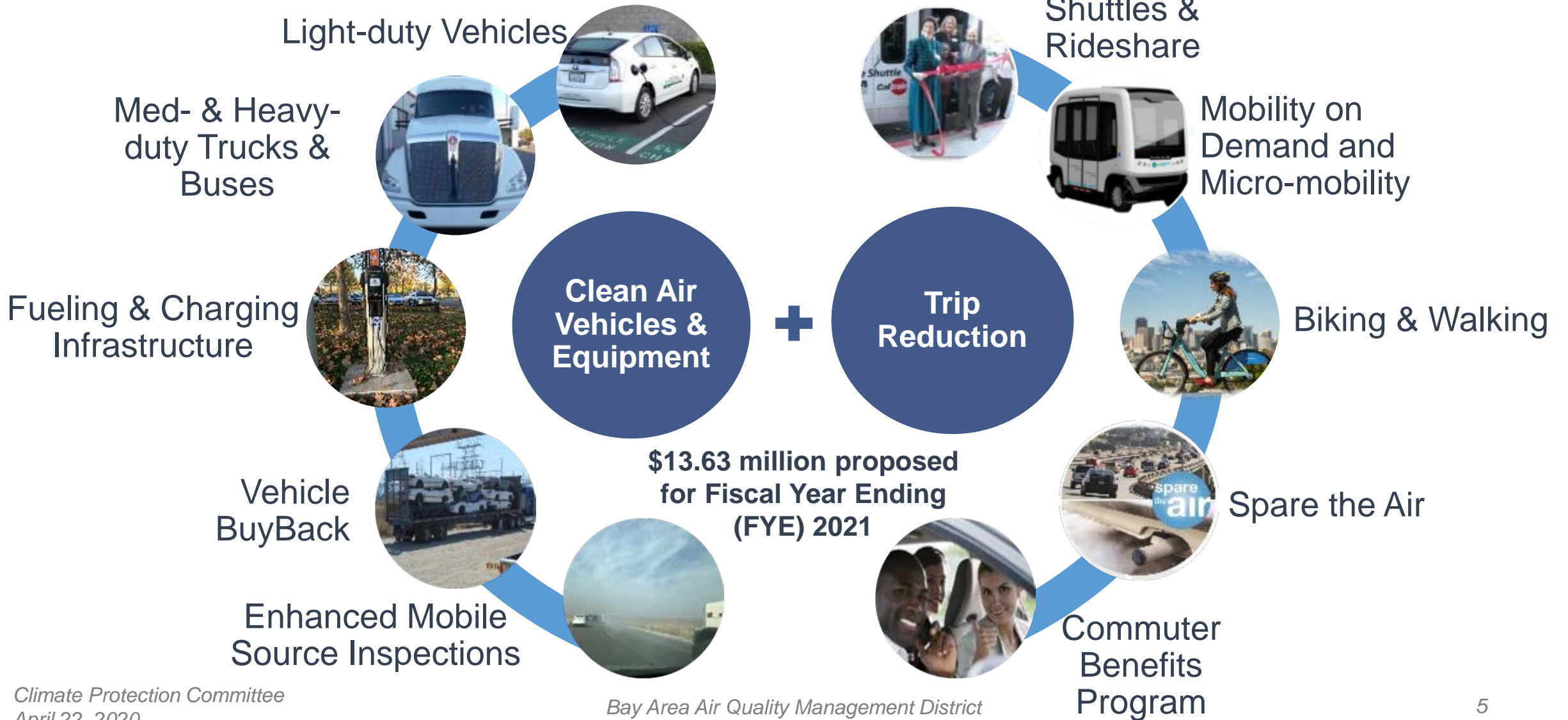
Grants for low-income residents to trade in cars for cleaner transportation

Incentive Programs



Loans and loan guarantees for facilities adopting climate technologies

Funding for Cleaner Vehicles and Trip Reduction



Building Decarbonization Program



Climate Protection Grants continue to drive the market

Regional collaboration for heat pump water heaters

- City of San Jose
- Association of Bay Area Governments (ABAG)/BayREN
- Silicon Valley Clean Energy
- Marin County



Building Decarbonization Program (cont.)



Clean Building Compass: Online resource launches in Spring 2020

Comprehensive resource for local government staff to decarbonize existing buildings:

- Model policies
- Best management practices
- Purchase specifications
- Best research on costs and technologies
- Sample slides, reports, and other tools

Key Partners:



Building Decarbonization Program (cont.)



Clean Building Compass: Online resource launches in Spring 2020

Active roll-out in Summer/Fall 2020:

- Website demonstrations and trainings
- Presentations to local government staff and stakeholder organizations
- Technical assistance to local government staff on developing policies
- Accompanying consumer outreach campaign

Key Partners:



**BUILDING
DECARBONIZATION
COALITION**



Bay Area
**Regional
Collaborative**

BAYREN

Local Governments Empowering Our Communities

Power Resilient Schools



Develop concept for schools to remain open during Public Safety Power Shutoff (PSPS) emergency events, running on solar, battery, and microgrids

- Conduct technical and financial feasibility analysis
- Design financing plans, including sale of renewable energy credits
- Enable schools to provide clean power to local Community Choice Energy (CCEs)
- Establish Resilient Schools Collaborative



Key Partners:



CRS

center for
resource
solutions



Integrating Climate Protection and Health Risk Exposure Work



Contra Costa County Green & Healthy Homes Initiative

Bring climate and health interventions to improve outcomes for high-risk asthma patients on the Contra Costa Health Plan

- Health and building assessments
- Identify remediations to reduce asthma risk
- Lower energy bills, GHGs, and improve comfort of homes

Key Partners:



Green & Healthy
Homes Initiative®



CONTRA COSTA
HEALTH SERVICES



ASSOCIATION FOR
ENERGY
AFFORDABILITY



MCE



BAYREN



Integrating Climate Protection and Health Risk Exposure Work (cont.)



Contra Costa County Green & Healthy Homes Initiative

Sample remediations that also reduce GHGs:

- Switch from natural gas to electric heating/cooling systems
- Electrify water heating, cooking, and appliances
- Weatherization

Key Partners:



Local Government Planning Support



Climate Action Plans (CAPs):

- Model policies, best practices, webinars, online resources
- 3,000+ measure CAP database
- Surveys and focus groups
- Review and provide feedback
- GHG inventory guidance and tools
 - Vehicle Miles Traveled (VMT) Data Portal (with MTC)
 - Researching other tools

Long-term Planning – CEQA:

- Updating CEQA GHG thresholds of significance
- Updating CEQA guidance for planners and project developers
- Review and comment on CEQA projects
- Track developments at state agencies and other air districts

Climate and Food Initiative



Launching Climate and Food Initiative to address all aspects of the food cycle

Develop science-based consumer education messaging on benefits of a plant-based diet

- Webinars on transitioning to climate-friendly diet
- Create web resources for climate-friendly food practices during shelter-in-place



Regional Climate-Friendly Food Event in Spring of 2021!

Reducing GHGs from Transportation



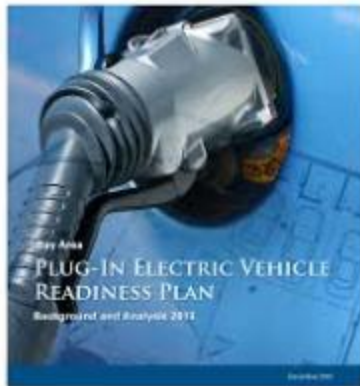
Light Duty Vehicles

Technology Interventions

Charge!



**CLEAN CARS
FOR ALL**



Land use Interventions

- Close collaboration with MTC staff on developing and implementing Plan Bay Area
- Update CEQA guidelines
- Evaluate pricing on AB 617 communities



Reducing GHGs from Transportation (cont.)



Heavy Duty Vehicles & Equipment

- Technical Assistance: Asset inventories, webinars
- Policy Support: Individualized resource plans
- Summer Intern to work directly with local government staff
- Collaborate with California Air Pollution Control Officers Association (CAPCOA), California Air Resources Board (CARB), and California Energy Commission (CEC) on fossil free back up power



Regional Collaboration



Plan Bay Area collaboration



GHG inventory support for local govts (VMT data)



Building Decarbonization



Bay Area
**Regional
Collaborative**

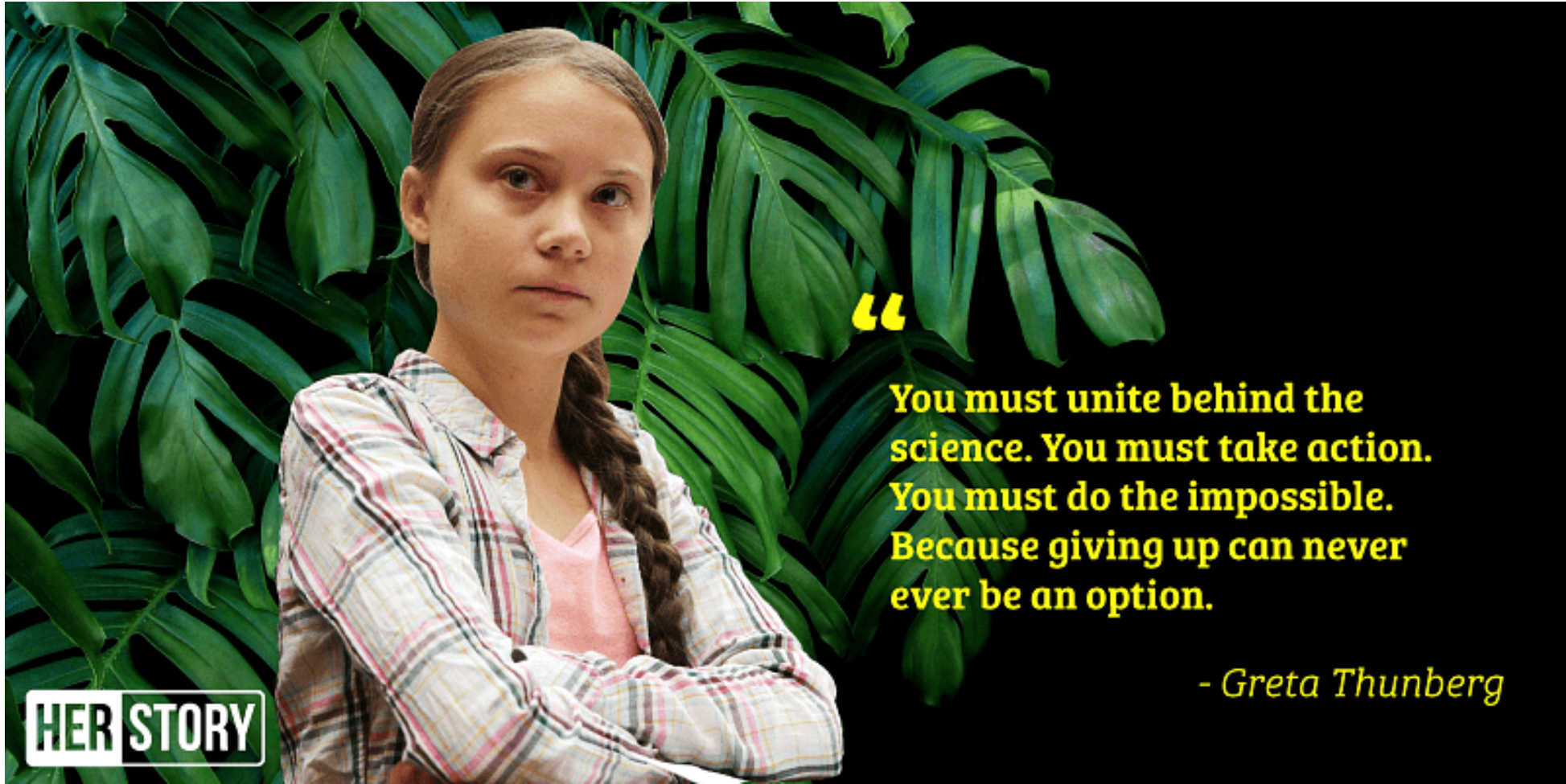


Statewide Coordination



Coordination on wide-ranging policy and practice topics





“

You must unite behind the science. You must take action. You must do the impossible. Because giving up can never ever be an option.

- Greta Thunberg

HER STORY