



Supporting California local governments

State Leaders Opening Plenary

California's Low Carbon Future & Role of Local Governments

June 26, 2019, 1:30 – 2:30pm

Presenters

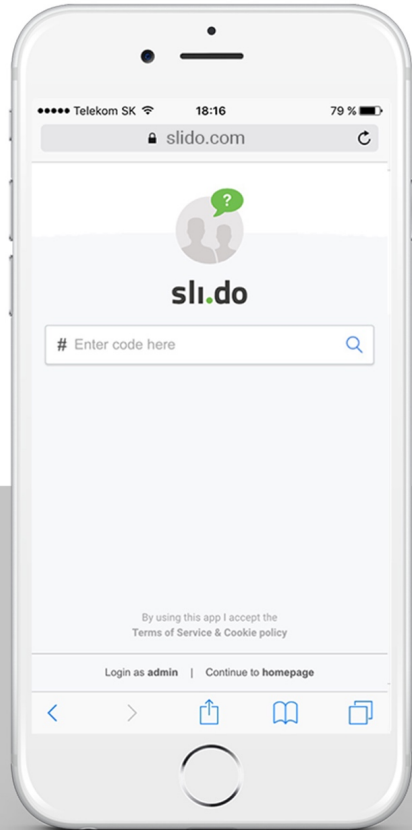
Edie Chang, Deputy Executive Officer
California Air Resources Board

Pete Skala, Deputy Director, Energy Division
California Public Utilities Commission

Lara Ettenson, Director, Energy Efficiency Initiative,
Climate & Clean Energy Program
Natural Resources Defense Council



Join the Conversation



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California's Low Carbon Future & Role of Local Governments

10th Annual Statewide Energy Efficiency Forum

Edie Chang
California Air Resources Board
June 2019



Mission

- Leads California's fight against air pollution and climate change
- Protects public health
- Promotes environmental justice, social equity and sustainable communities
- Promotes clean, energy-efficient fuels and technology



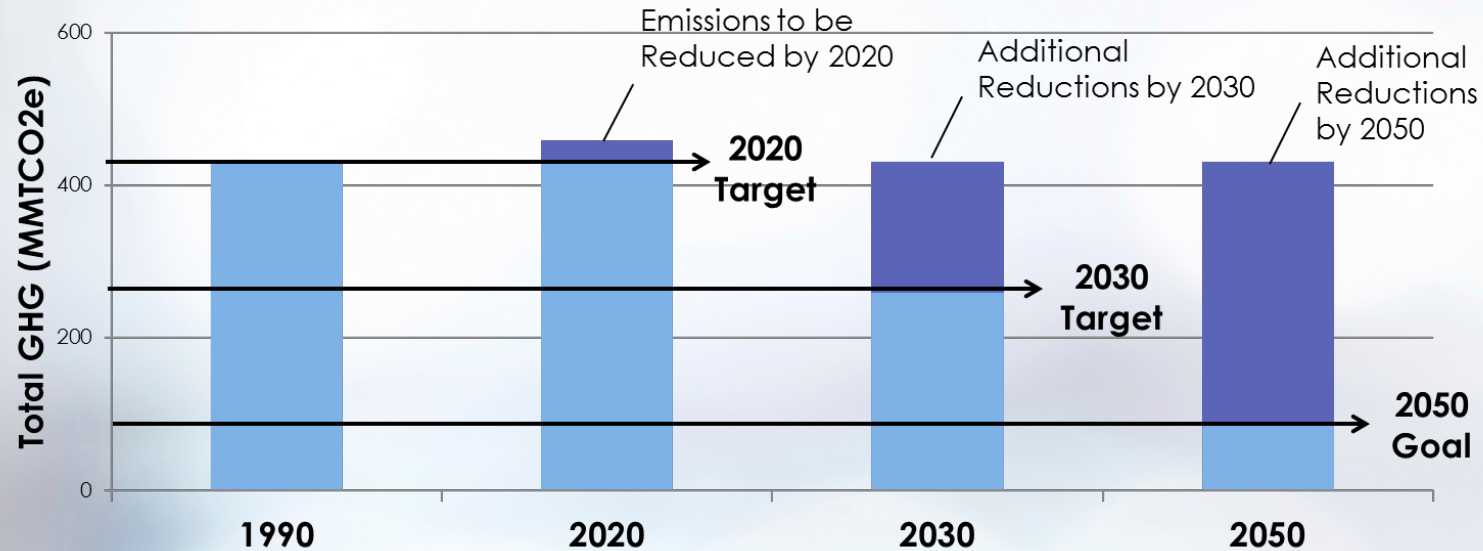


CALIFORNIA

is already experiencing
the impacts of
CLIMATE CHANGE

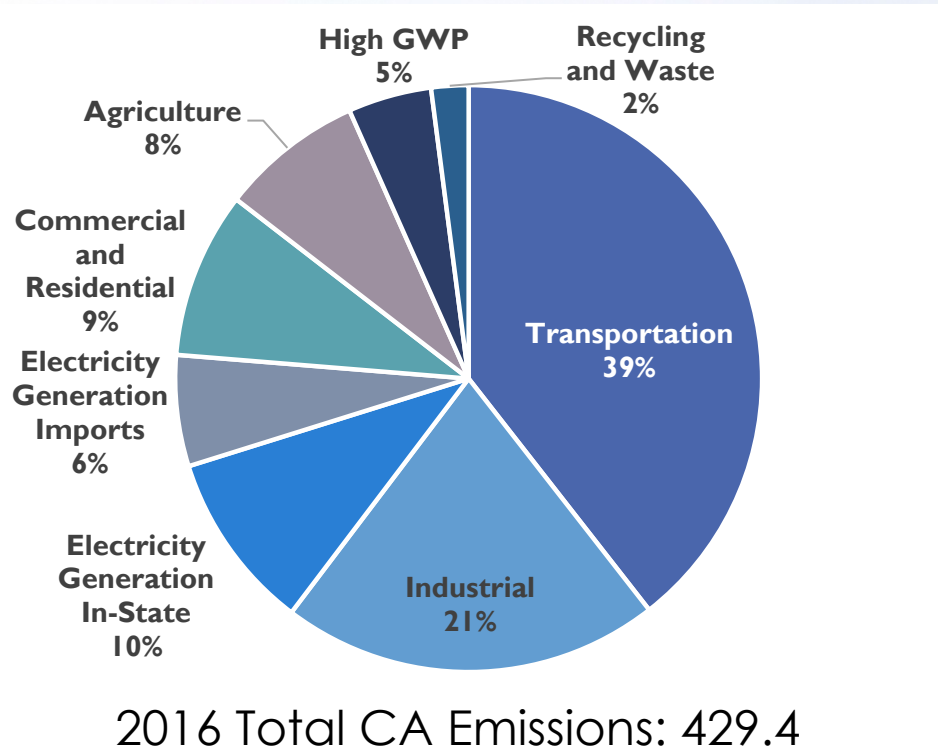
IN 2015 THE DROUGHT COST THE
AGRICULTURE INDUSTRY IN THE
CENTRAL VALLEY AN ESTIMATED
\$2.7 BILLION & 20,000 JOBS

Key Climate Change Goals



Note: MMT = Million Metric Tons

California's Greenhouse Gas Emissions



California's Climate Policy Portfolio



Double building efficiency



Cleaner freight and goods movement



50% renewable power



Slash potent "super-pollutants" from dairies, landfills and refrigerants



More clean, renewable fuels



Cap emissions from transportation, industry, natural gas, and electricity



Cleaner zero or near-zero emission cars, trucks, and buses



Invest in communities to reduce emissions

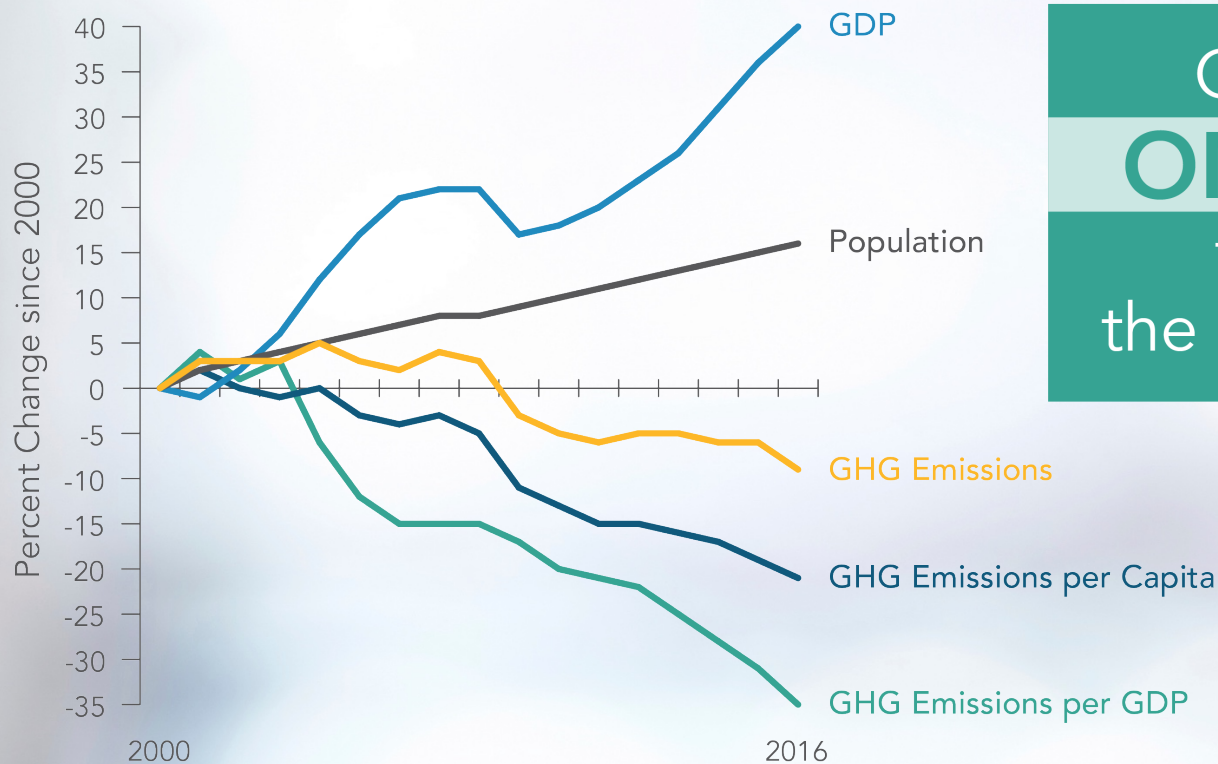


Walkable/bikeable communities with transit



Protect and manage natural and working lands

Growing Economy & Cleaner Energy

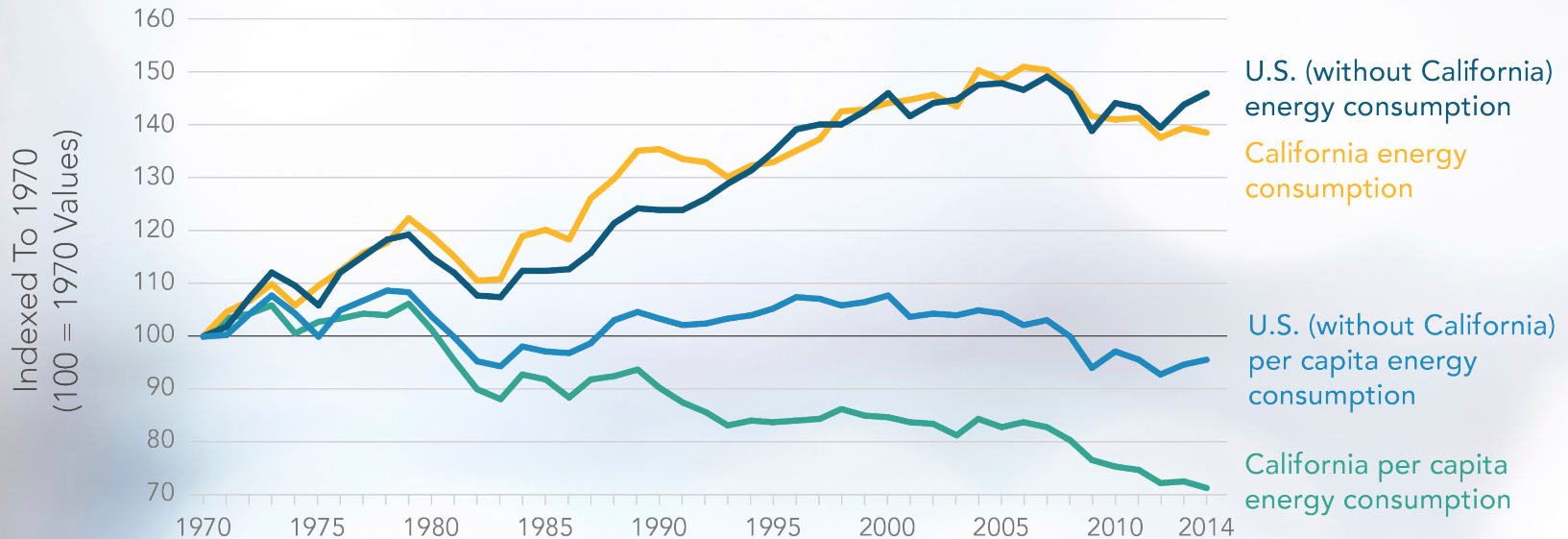


California is
ON TRACK
to achieve
the goals of AB 32

Energy Efficiency in California

Total Energy Consumption Relative To 1970

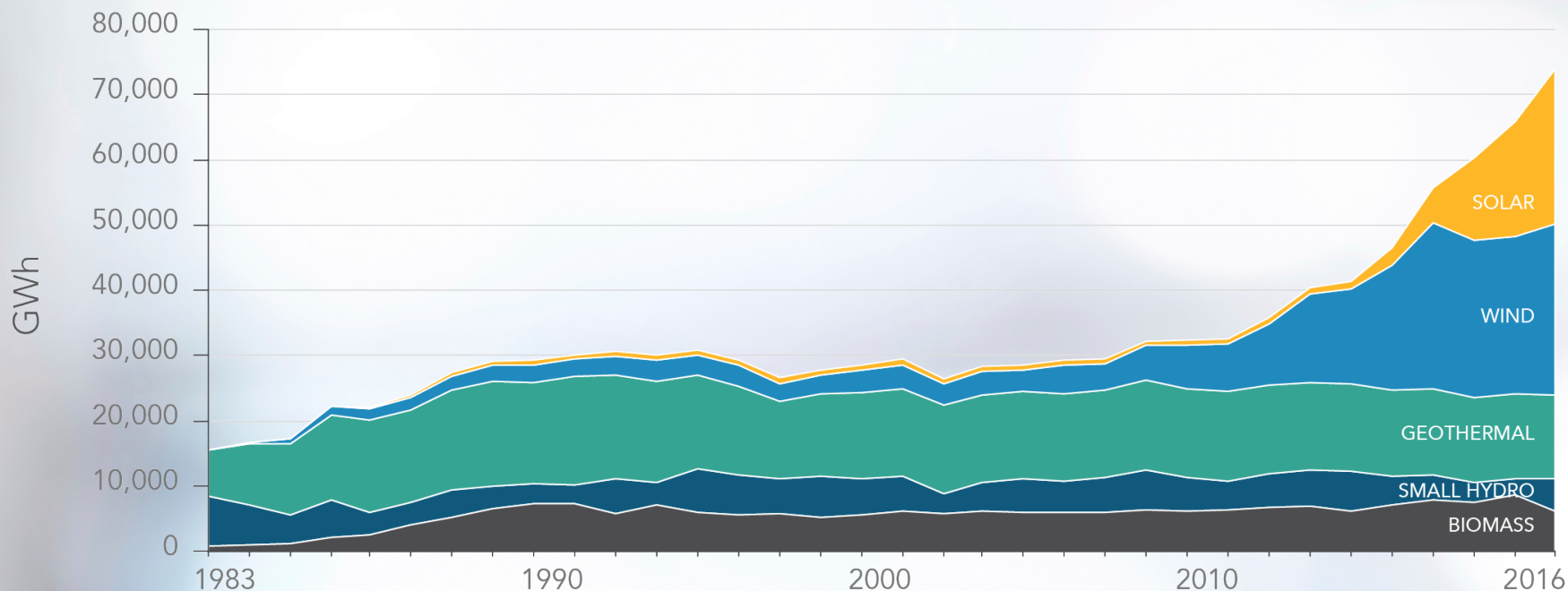
Total Consumption & Per Capita: California & Rest of U.S.



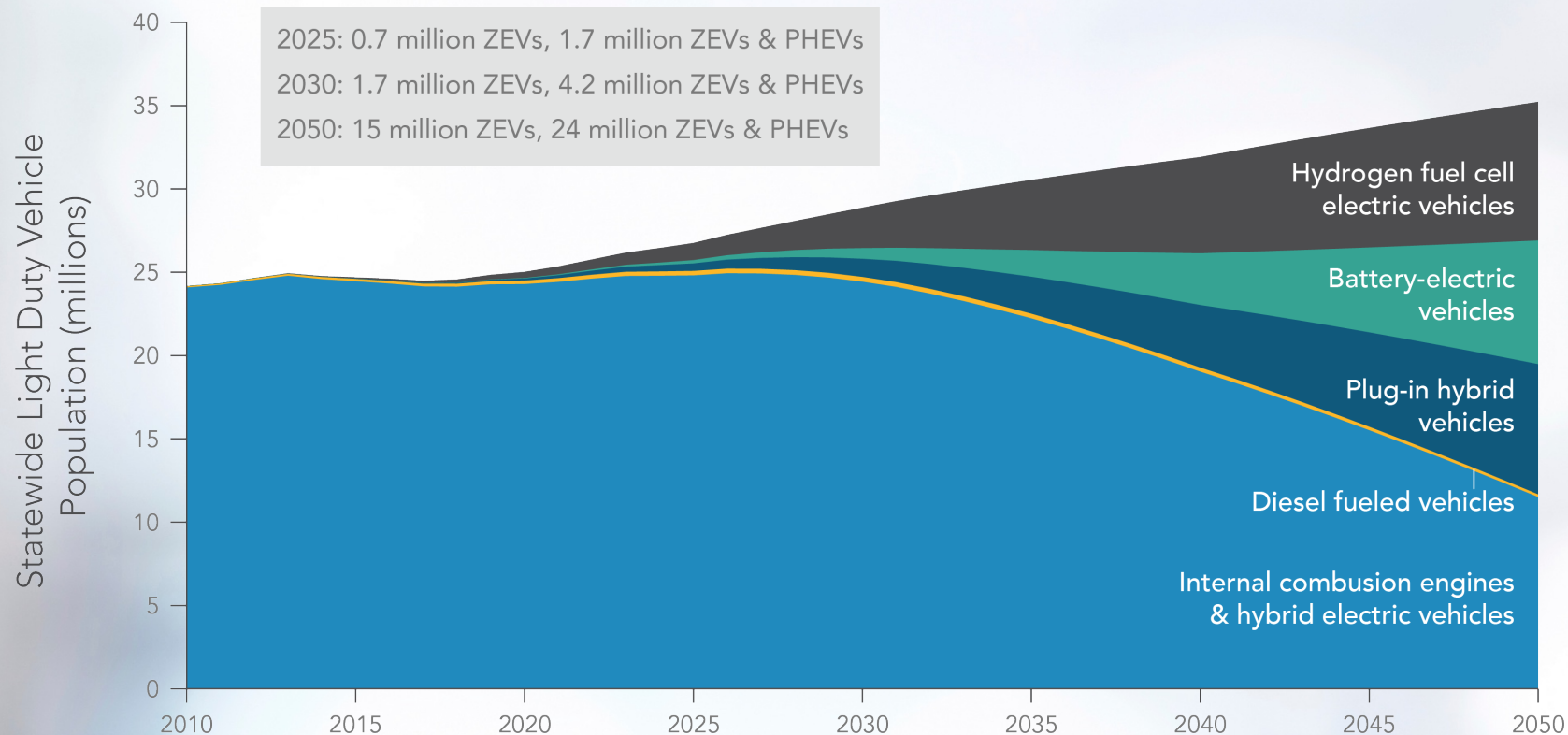
Growing Energy Innovation

Increasing Renewable Electricity Generation

(In-State and Out-of State)



California's Clean Car Future



SUSTAINABLE COMMUNITIES & CLEAN TRANSPORTATION



AFFORDABLE
HOUSING



WALKABLE
+ BIKEABLE
STREETS



CLEAN
CARS



PUBLIC
TRANSIT



TRUCKS



HIGH SPEED
RAIL

ENERGY EFFICIENCY, NATURAL RESOURCES & WASTE



ENERGY EFFICIENT
HOMES WITH
SOLAR PANELS



TREE
PLANTING



COMPOSTING

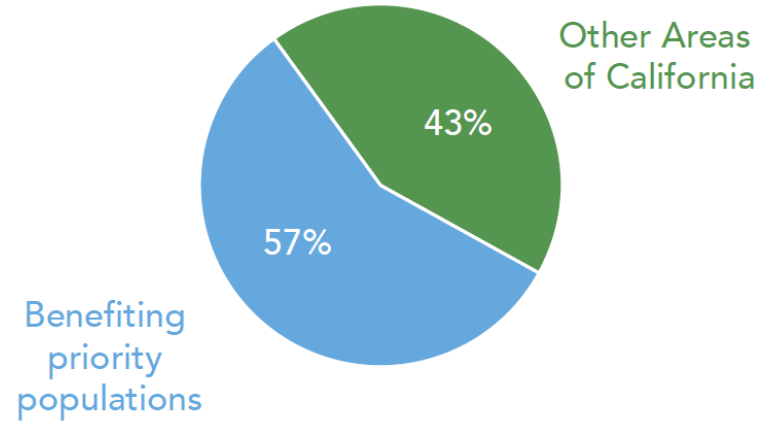


WATERSHED
& WETLANDS
RESTORATION

California Climate Investments: Accomplishments and Outcomes



- \$3.4B in cumulative implemented projects
- Over 340,000+ projects implemented
- >50% of funds benefiting priority populations
- Estimated to reduce ~37 million MTCO₂e
- Environmental, economic, and public health co-benefits, some examples:
 - 50,000+ trees planted in urban areas
 - 3,200+ new affordable housing units
 - 460+ transit projects to add or expand service
 - 500,000+ acres of land preserved or restored
 - Water conservation, air pollution reductions, waste diversion, food rescue, energy conservation, etc.



MTCO₂e = metric tons
carbon dioxide equivalent

AB 617: Building a Community-Focused Framework



PARTNERSHIPS
WITH COMMUNITIES



NEW STATEWIDE
STRATEGIES TO
REDUCE EMISSIONS



TARGETED
COMMUNITY
CLEAN AIR PLANS



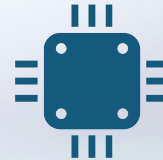
METRICS
TO TRACK &
REPORT PROGRESS



COLLABORATIONS
WITH LAND USE
& TRANSPORTATION
AGENCIES



CLEAN TECHNOLOGY
INCENTIVE INVESTMENTS



EXPANDED
AIR MONITORING



IMPROVED
DATA
ACCESSIBILITY





State Leaders Opening Plenary



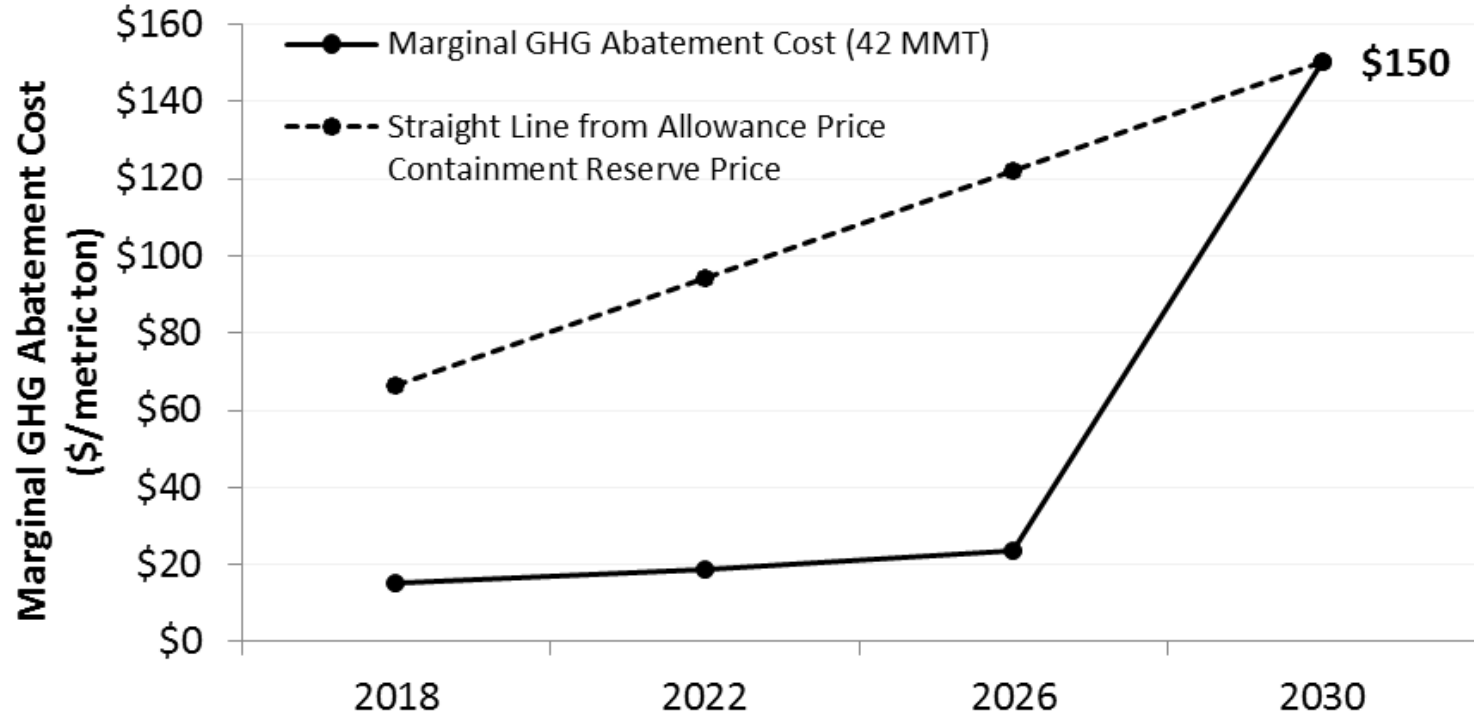
Pete Skala

6/26/2019



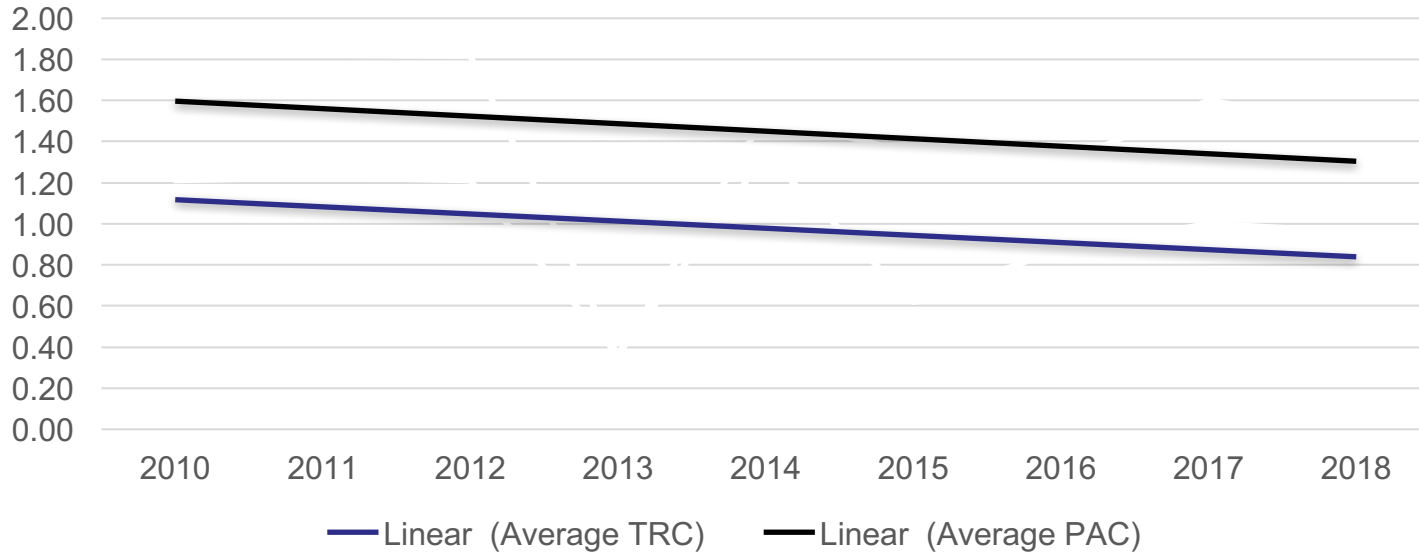


IRP GHG Planning Price





Energy Efficiency Portfolio Cost Effectiveness Trends



Lara Ettenson

Director, Energy Efficiency Initiative
Climate & Clean Energy Program
Natural Resources Defense Council



Facilitated Discussion

