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opportunity for regulators

(CA) Industrial CCS

Nik OK manufacturing + process emissions

didn't like lower registration fee idea

how to role steel w/o gas

transportation - freight, more nuance needed.

what about gas tax. EV policy provides opportunity to address much bigger societal problem

CA guided by UC Davis - Dan Sperling 3 Revolutions shared, autonomous, electric
CATE has outlived original purpose

CA looking for states to join ITT

Sept. 2020 draft state regulation (would need fed waiver)
rethinking

NV - what about heavy duty + fleet - passed bill to relax weight standards to allow EVs
OT - offshore wind to hydrogen
MD - Hogan is chair of NCA + focused on climate
NY - connection to EVs for tourism.

TC1 - 12 states, accounting at prime supplier for moving fuel across state lines

Model rule by December.

On demand van pools looks good

MA + NY - goals vs have to meet emissions targets
Pale^{NY} - have to work on rural communities + what benefits can we lean forward with

CT-utility commission - task them to pay for level 2 charging + help customers go electric.

RI Gov head of DGA

Baker, Hogan, Scott, Remondo

Kareem →

NM-2019 EV utility planning bill. ^{working on more comprehensive vision}
 focus on methane

CA-switched from level of service to VMT-

how to do it in a way people understand.

housing near transit, jobs, + services.

Fires mean rethinking land use - + high risk areas w/ lots of people.

\$ for roadmap to get to carbon neutrality by 2045

RI not just DEP, working on getting EV rebates.
 hard to get folks focused on emissions when just trying to run trains on time.

CO-oregon attainment on front range. utilities can now invest in EV infrastructure. Reproposing VW funding finalizing ZEV in coming months.

Maine - just passed big climate bill. 50% GHGs from trans. TCL.

OR - carbon pricing, congestion pricing

Hawaii - looking at carbon pricing (?), where to put more charging stations. Move past studies - how to implement 100% RE goal.

NV - E.O. w/ climate goals + transportation.

do ZEV + ZEV together, not separately.

NY - focused on reducing air pollution in neighborhoods
both TCI + LCFS

NM - working w/ tribal partners

Rd - VW settlement \$ into electrifying buses...
combined w/ grid modernization

NV - electric highway w/ tourism

VMT study in legislature

NM + NV jump on ZEV/ZEV

VT - \$1M ZEV/ZEV, TCI-conversation
important itself

CA - 85% allowance \$ ^{will go to dealers to help consumers} → purchase EVs

CT - gives bonus to salespeople

Mass - took away FEVs + vehicles over 60K

but still phasing out incentives

Uber + Lyft ^{trying to get} tell their emissions data to gov.

→ contributing to congestion

CO - kicking off stakeholders process on LCFS
+ feasibility study - to decide legislation
or air commission rule making.

Trying to get utilities to think big

Rules in design to incentivize ride sharing +
electrification w/ putting fees on TMCs

50 by 2030, 90 by 50 - DOT wants direction
to tie transportation plans to GHGs.

WA - trying to pass LCFS. legislatures understand
it must be part of transportation package

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NV - no nuclear

Court case about authority.

poison pill...

want to become a ZEV state even though still beating some ZEV states.

how to accelerate elec. transition for TNCs. → emission reduction requirements?

Seattle + Minneapolis - only 2 states where VMT went down last year.

Lots of fleet commitments 10/15/20 - conversation about ramping them to make the demand side pull visible.

VW funding organized. working on regional view of highway infrastructure w/ EVs - almost + possible to get to Trauma.

^{ACT} Katie Dykes - as we are designing policies - are we thinking about it as federal model.

NGOs can help elevate - if what my state is doing has national significance.

what are we building that is shovel ready?

CO - no NGOs engaged on LCFS + intersection of transit/land use / GHGs

Peter - states good at setting target + moving toward it, lack ability to excite customers / build new culture

^{FEEL NV} Brad - need novel / workable funding mechanisms.

have to balance the budget.

^{NM} Sarah - NGOs having hard time pivoting from ^{enemy approach} to friend approach.

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Mik Blosser - tell him about hydrogen to make steel

Mary CK Big national orgs. have run out of steam except for fresh energy.

All foundations putting \$ in ED in not thoughtful way
Some funded orgs fighting everything

Kate CA Cities control land use - they don't want to densify. Housing agenda is not a climate agenda

Zach CO. - NBO relationship w/ labor.

CT MAS Katie 40% workforce turning over by 2022 - need workforce + recruitment help. not resourced to do that

E+P - extraction + production

75% coal been replaced by natural gas.

CO - moving to continuous emissions monitoring - to what extent can we do that

NM - problem is oil production in Permian 1.5B/month in commerce, 400's ft in production

want to avoid conflicting oversight across 2 different agencies

MD. - NG is a bridge fuel but not leaky or long

NG - enviros want moratorium on fossil infrastructure + MA. Big labor issue

gas + jobs vs no jobs + climate

Gov don't overbuild nat gas pipeline infrastructure

Mary - bringing up biogas

Kate Carbon management conversation w/ oil + gas labor.

Ernie Moniz saying gas is a bridge fuel...

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NV - what analysis do they need.

Many - Money has not been well managed.

Reed - industry (gas is good) - enviros (gas moratoria) →

how do we accelerate the conversation...

NY - unwilling has moratoria... Dc of pipelines
Orderly transition.

States don't dictate game on pipelines,
PR + EE for gas.

VT - enviros will continue their messaging.

need to lay out a clear vision about
when the end is.

Many - need threat of regulation to move R+P
money (gas CCS)

CO - RNG potential study - will be small part
of pie - may meet 25% of state
demand for diesel.

thinking about investments in distribution systems

CA - multi craft career apprentice - trained
across construction careers (can do EE one day
something else the next day)

RD - 35% emissions heating - don't have plan.

Maine - trying oil → heat pumps.

VT - RPS for fuel oil...

Bldgs

WA - mandatory retrofits. EUI function
coupled w/ gas utilities doing all cost
effective conservation. have to incorporate SCC (w/ 2.5%)
did not focus on
triggers - ~~upon sale~~

new code requirement for new construction - 20% parking
EV wired
50% has to be ready

CA - local mandates. School efficiency.
- legislative

Nevada
(not Brad)

NGO - city to state connection.
start w/ benchmarking? or not - pick battles.
Kimmel study on benefits of mandatory retrofits.

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make a slide on regional activities
highlight WA buildings policy

add WA
has passed
a rule.

HFCs VT-commitment

MD - regulatory - vending machines

NM - interested. - Sandra Ely

Chicago - had a market ten years ago that
farmers + ranchers could use

MA - payment for farmers + foresters - pilot

What's the federal policy design
we can work on at the state level now?

Closing

Mass - no more RPS. mechanism outside of bonds

to help w/ infrastructure ^{resiliency} ^{bond} → look this up

★ Co-beneficial electrification bill

this spring - will include DSM.

bill to combine comm. bldg benchmarking w/
requirements to meet energy standards

WA - included language for gas to rate
base ~~RNG~~ infrastructure

WA - done LEV, want ZEV

interested in TNC regulations

land use planning - new

how to deal w/ going to net zero codes for new
utilities more aggressive incentives for developers

★ for all. electric. fall back gas incentives
lost on stretch code a number of years

running

CA - 2020 big leg on nat. + w/kg lands - carbon storing + resilience.

longer term authorization LD+HD programs are scattered.

Changing - look at legislation - to regulate + build out charging infrastructure.

Will do something on oil + gas, maybe health + safety.

What are we trying to accomplish here.

VT - leg. on global warming solutions act.

→ doesn't want to do anything that costs \$

TCL, comm bldg standards, roadmap to net zero?

ecosystem services

WA - appliance efficiency - ^{USCA} have model legislation by ASAP

WA + CO did all appliances (?) VT, OK non controversial

NV - appliance standards - decide if legislative/regulatory fleet elec., state + public bldgs.

getting plac on solar "fairness" w/ codes

Push 100s on methane leakage

(CO - rolling mandate on adopting IBC codes)

→ have to be careful about keeping Ds in office.

Rd - Gen Assembly D but doesn't care on env/climate.

looking for sustainable funding stream

sueing big oil for R.I. damages in state court

losing forests to solar citing - tradeoff -
carbon pricing study - out for RFP now.
U.S. Congress new infrastructure bill...

Need the business community.

NM - methane, LEVIZEV,

have to work on building capacity. -

doing fees to pay for stuff (?)

rooftop solar tax credit, EV tax credit.

going to be asked to do community solar.

Micro-grid, solar at parks.

[Burge of interest in how to deal w/ community
Solar and CCA and net metering]

Hcl - on track to meet their 1990 emissions goal.

Utilities have done their part. ^{many} studies underway

OR - try cap + trade again.

parking lots, \$ to

CT \uparrow \$ to EV salespeople

MD - 45% from 2006 by 2030.

developing Clean Energy Standard.

> which will include CHP.

REG1 - NJ will participate in auction

VA back in action in 2020.

100% clean elec. by 2040

Maine - passed 45% ^{GHG} by 2030, 80% RPS by 2030,

gov launching climate council - will

include trans, bldgs, resilience

working g on implementation

↓
worried
about price

Dale - economics of electrification - send

BE, storage, green banks, microgrids - studies
on all of these

offshore wind coming rapidly
could do HFC. + appliance standards

trying to bond for muni efficiency + school projects.

NO - EV charging infrastructure bill

working on implementation of efficiency + solar

work on offshore wind

lots of PJM issues - pricing zero carbon resources

CT - same in ISO NE. → follow-up

NO climate resilience executive order - from USCA
playbook

CT - keep bldg gas power plants but not pipeline
capacity. Nuclear is an issue -

IRP now relevant again. Actual discussions
about no longer being deregulated...

ISO solving for winter reliability

Maine is + CT thinking about funding weatherization
for heat pump installs

HFCs in progress, appliance standards next year, TC1
legislators varding green banks + RGGI \$1

AP, example - Aahr - HBJ411 - 2019

→ Powering Past Coal Alliance

Sept. 9th Lake Tahoe USA