

DR. MAGAARD: I'M LORENZ MAGAARD,  
8 UNIVERSITY OF HAWAII; AND I JUST WANTED TO GIVE YOU  
9 THE INFORMATION THAT THE STATE OF HAWAII NOW HAS A  
10 NEW LAW THAT CAME ON THE BOOKS ONLY THIS SUMMER, ALSO  
11 TO REDUCE GREENHOUSE GAS EMISSIONS. SO FAR THE LAW  
12 PROVIDES A CAP; NAMELY, THAT BY 2020, WE SHOULD HAVE  
13 NO MORE EMISSIONS THAN WE HAD AT 1990. SO IT IS A  
14 RELATIVELY MODEST CAP. SO I DON'T KNOW WHETHER WE  
15 WILL HAVE A CAP-AND-TRADE SYSTEM. WE'RE JUST  
16 BEGINNING TO DISCUSS THESE THINGS. AND I CAN SAY  
17 "WE" BECAUSE I'M A MEMBER OF THE TASK FORCE FOR THE  
18 IMPLEMENTATION OF THAT NEW LAW.

19 THANK YOU VERY MUCH.

20 MR. VAN'T HOF: OKAY. I WOULD JUST COMMENT  
21 THAT WE'RE VERY HOPEFUL THAT HAWAII -- IT'S WONDERFUL  
22 THAT HAWAII IS TAKING SOME SIGNIFICANT STEPS FORWARD  
23 ON CLIMATE. WE'RE HOPEFUL THAT HAWAII WILL BECOME  
24 ONE OF THE MEMBERS OF THE WESTERN CLIMATE INITIATIVE,  
25 AND WE'RE HAVING CONVERSATIONS WITH THEM. SO TO ANY

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1 EXTENT YOU'RE ABLE TO HELP INFLUENCE THAT PROCESS,  
2 THAT WOULD BE MOST APPRECIATED.

3 DR. MAGAARD: I WILL BE HOPEFUL, TOO.

4 DR. RYERSON: TOM RYERSON FROM NOAA.

5 I GUESS MY EXPERIENCE FLYING DOWNWIND OF  
6 MANY OF THE MAJOR POWER PLANTS DISCUSSED IN THE LAST  
7 COUPLE OF DAYS IN A RESEARCH AIRCRAFT IS THAT, AND  
8 THE CITIES AND PETROCHEMICAL INDUSTRIES MOST  
9 RECENTLY, INVENTORIES WITHOUT CONTINUAL DIRECT AND  
10 VERIFIED MEASUREMENTS CAN BE GROSSLY INCORRECT. SO  
11 THE ELECTRIC UTILITY INDUSTRY IS SOME OF THE BEST  
12 MEASURED AND BEST REPORTED INVENTORIES FOR NITROGEN  
13 DIOXIDE, SO<sub>2</sub>, AND CO<sub>2</sub>; AND THAT IS A GOOD THING.

14 HOWEVER, THE DISCREPANCIES WE HAVE FOUND  
15 HAVE BEEN FACTORS OF TWO, FACTORS OF THREE FOR  
16 INDUSTRY EMISSIONS, CERTAINLY FOR CAR EMISSIONS AND  
17 CARBON MONOXIDE, AND UP AS BAD AS FACTORS OF 20 TO  
18 200 FROM THE PETROCHEMICAL INDUSTRY WITHOUT DIRECT  
19 MEASUREMENTS OF THESE THINGS. AND HAPPILY, THE TWO  
20 EXCEPTIONS TO THIS REQUIREMENT ARE CO<sub>2</sub> AND  
21 HALOCARBONS. THOSE CAN BE VERY WELL CALCULATED, AND  
22 THE INVENTORIES APPEAR TO BE LARGELY CORRECT.  
23 UNHAPPILY, THOUGH, AND MOST DIFFICULT TO MEASURE, ARE  
24 AGRICULTURAL EMISSIONS OF METHANE AND NITROUS OXIDE.  
25 AND THE CALIFORNIA EXPERIENCE, A LARGE AGRICULTURAL

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1 STATE WITH LIVESTOCK AND RICE, COULD BE INTERESTING  
2 TO SEE HOW AB32 MIGHT SPARK BETTER OR AT LEAST MORE  
3 COMPREHENSIVE MONITORING OR AT LEAST ASSESSMENT OF  
4 THOSE SOURCES AND HOW THAT MIGHT BE APPLIED TO A MORE  
5 GLOBAL ISSUE OF DIFFICULT-TO-QUANTIFY AND  
6 DIFFICULT-TO-TRACK CHANGES OR AT LEAST EXISTING  
7 AMOUNTS OF EMISSIONS FROM, SAY, RICE PADDIES AND  
8 AGRICULTURAL AREAS.

9 MS. PAVLEY: I'M NOT GOING TO DISAGREE WITH  
10 ANYTHING YOU JUST SAID. THAT IS THE ABSOLUTELY  
11 CRITICAL ELEMENT OF IMPLEMENTING AB32, QUANTIFYING

12 EMISSIONS REDUCTION AND BEING ABLE TO TRACK THEM IN  
13 THE AGRICULTURAL SECTOR ITSELF IS A CHALLENGE, AND  
14 WHETHER THAT WILL BE A COMBINATION OF AIR DISTRICTS  
15 EXPERTISE WORKING WITH THE STATE AND SOME KIND OF  
16 UMBRELLA NETWORK, ABSOLUTELY CRITICAL BECAUSE WE'RE  
17 SERIOUS ABOUT REAL REDUCTIONS THAT CAN BE QUANTIFIED  
18 AND THAT ARE REAL. AND THE AGRICULTURAL COMMUNITY IS  
19 ABSOLUTELY A CRITICAL PIECE OF THE PUZZLE UNDER THE  
20 GOVERNOR'S CLIMATE ACTION TEAM. ALL THE DIFFERENT  
21 STATE AGENCIES . . . AGRICULTURAL AGENCIES, ARE  
22 DEVELOPING PROTOCOLS HOPEFULLY TO ACCOMPLISH WHAT YOU  
23 JUST STATED.

24 DR. RYERSON: I THINK CARBON TRACKER IS A  
25 STEP IN THE RIGHT DIRECTION. WOUTER PETERS IS

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1 JUMPING UP AND DOWN TO TALK ABOUT METHANE TRACKER.  
2 AND THERE PROBABLY SHOULD BE NITROUS TRACKER AFTER  
3 THAT, ET CETERA, ET CETERA.

4 MS. HOW: MY NAME IS HELEN HOW. I WORK FOR  
5 EXELON, AN ELECTRIC UTILITY.

6 I APPLAUD THE STATE'S EFFORTS TO REGULATE  
7 CO2. IT'S A GREAT FIRST STEP. I APPLAUD YOUR EFFORTS  
8 TO INTEGRATE ON A REGIONAL BASIS.

9 BUT AS A COMPANY WHO WORKS IN MULTIPLE  
10 STATES, IT IS A LITTLE FRIGHTENING LOOKING AT VERY  
11 DIFFERENT REGULATION IN VARIOUS REGIONS. I THINK WE  
12 PROBABLY ARE LOOKING AT, WHAT'S BEEN SAID ALREADY,  
13 WE'VE PROBABLY AFFECTED BY AT LEAST TWO, MAYBE THREE  
14 OF THE REGIONAL INITIATIVES. FEDERAL LEGISLATION,  
15 CLEARLY, FROM OUR PERSPECTIVE, IS WHERE WE NEED TO  
16 GO.

17 I'D APPRECIATE YOUR VIEWS ON THE  
18 FEDERAL-STATE PREEMPTION BECAUSE I THINK THAT'S GOING  
19 TO BE A BIG ISSUE GOING FORWARD, AND MOST FEDERAL  
20 LEGISLATION HAS BEEN VERY SILENT ON PREEMPTION  
21 ISSUES. SO I'D APPRECIATE YOUR VIEWS FROM ALL OF  
22 YOU.

23 DR. WALSH: IF I CAN JUST EXPAND OR MAYBE  
24 EVEN ARTICULATE THE QUESTION FURTHER: THERE IS THIS  
25 QUESTION OF WHEN WE HAVE -- IF WE HAVE A FEDERAL

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1 CAP-AND-TRADE --

2 MS. HOW: WHEN, COME ON.

3 DR. WALSH: WHEN WE HAVE. WHAT HAPPENS TO  
4 THESE VARIOUS STATE AND REGIONAL PROGRAMS? DO THEY  
5 FOLD IN? DO THEY BECOME OBSOLETE? DO THEY GO AWAY?

6 WHY DON'T WE START WITH MS. PAVLEY AND THEN  
7 GO FROM WEST TO EAST.

8 MS. PAVLEY: WELL, OF COURSE, IN  
9 CALIFORNIA, WE'RE VERY CONCERNED ABOUT THE PREEMPTION  
10 LANGUAGE AND WORK QUITE CLOSELY WITH OUR TWO SENATORS  
11 TO MAKE SURE THAT IT IS NOT INCLUDED.

12 I DO REALIZE THE NEED FOR A FEDERAL POLICY,  
13 WITH THE UNITED STATES BEING 5 PERCENT OF THE WORLD'S  
14 POPULATION AND 25 PERCENT OF THE GREENHOUSE GAS  
15 EMISSIONS. WE NEED A STRONG FEDERAL POLICY. I THINK  
16 IT CAN BE COMPATIBLE. THAT'S WHY STATES ARE WORKING

17 TOGETHER TO ESTABLISH BASELINES, VOLUNTARY AND  
18 EVENTUAL MANDATORY REPORTING.

19 WE NEED, FRANKLY, THE BUSINESS SECTOR TO  
20 STEP UP TO THE PLATE AND FORGE THAT KIND OF DECISION  
21 ON THE FEDERAL LEVEL THAT ALLOWS STATES TO BE THE  
22 INNOVATORS OF GOOD POLICY MAKING, AS WELL AS THE  
23 FEDERAL GOVERNMENT TO BE AN UMBRELLA, SO THAT ALL THE  
24 UNITED STATES PARTICIPATES.

25 WE REACHED A TIPPING POINT IN CALIFORNIA  
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1 ABOUT A YEAR AND A HALF AGO, WHERE OUR LARGEST  
2 UTILITY, PG&E, AND OUR LARGEST WASTE HAULERS, AND  
3 EVERYONE ELSE WERE ENTHUSIASTIC SUPPORTERS OF AB32  
4 BECAUSE THEY WANTED TO CREATE A CAP AND SEND THAT  
5 CLEAR SIGNAL TO THE MARKET; AND HOPEFULLY WORKING  
6 TOGETHER WITH OTHER STATES WILL PROVIDE SORT OF A  
7 MODEL FOR AN EVENTUAL FEDERAL POLICY.

8 DR. WALSH: I'LL GO WEST TO EAST ON THE  
9 PODIUM THERE. SO GO AHEAD, JOANNE.

10 MS. MORIN: YOUR COMMENTS ARE VERY WELL  
11 TAKEN.

12 THE RGGI STATES ARE ACTUALLY WORKING VERY  
13 CLOSELY ON -- WE FIELD PHONE CALLS ALL THE TIME AND  
14 WORK WITH RESEARCHERS. WE'RE WORKING ON THE HILL IN  
15 TERMS OF WHAT IT MIGHT MEAN SPECIFICALLY TO RGGI AND  
16 HOW THINGS MIGHT BE CRAFTED SO THAT WE CAN HAVE A  
17 GOOD INTEGRATION.

18 I MEAN, ALL THE THINGS ARE STILL ACTUALLY  
19 ON THE TABLE. I MEAN, IT DEPENDS ON WHAT FEDERAL  
20 CAP-AND-TRADE GETS PASSED. IF IT'S MUCH MORE  
21 STRINGENT THAN RGGI, IT COULD MEAN -- RGGI HAS AN  
22 EXIT CLAUSE THAT IS VERY LIBERAL THAT'S IN ORDER TO  
23 GET THIS MOU SIGNED BETWEEN ALL THE GOVERNORS OF THE  
24 STATES, IN THAT YOU CAN LEAVE RGGI WITHIN 30 DAYS AND  
25 JUST EXIT RGGI. SO IF IT'S MORE STRINGENT, THAT

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1 WOULD CERTAINLY BE AN OPTION.

2 BUT WE WERE HOPING A LITTLE BIT FOR --  
3 WE'RE PUTTING OUR NECKS ON THE LINE IN GETTING OUT  
4 THERE UP FRONT THAT THERE ALSO MIGHT BE SOME  
5 RECOGNITION THAT THOSE ALLOWANCES AND THOSE OFFSETS  
6 MIGHT HAVE SOME CREDIT AND SOME MARKET VALUE. AND IF  
7 THOSE INVESTORS INVEST IN THOSE OFFSET PROJECTS,  
8 THERE COULD BE SOME LONG-TERM MARKET VALUE IN THOSE,  
9 WE ACTUALLY WANT SOME RECOGNITION OF THESE STATES  
10 STARTING OUT EARLY IN THAT WE'RE JUST NOT CUT OFF AND  
11 THAT THERE'S SOME VALUE THERE.

12 BUT I WOULD DEFINITELY ECHO FRAN'S COMMENTS  
13 ON THE BUSINESS COMMUNITY. WE ARE STILL FEELING THE  
14 BUSINESS COMMUNITY IS NOT ENGAGED ENOUGH IN THIS  
15 WHOLE DEBATE, ENGAGED IN TRYING TO GET SOME REALISTIC  
16 LEGISLATION THROUGH AND BEING SUPPORTIVE IN A  
17 POSITIVE WAY, AND ENCOURAGE THE BUSINESS COMMUNITY TO  
18 GET MORE ENGAGED. THAT IS DEFINITELY A PROBLEM IN  
19 NEW HAMPSHIRE. WE HAVE SPECIFICALLY WORKED VERY HARD  
20 TO GET THEM ENGAGED, AND IT IS QUITE A CHALLENGE.

21 MR. VAN'T HOF: YEAH, I WOULD JUST LIKE TO

22 MAKE A COUPLE OF POINTS.

23 ONE IS THAT I THINK PART OF THE -- THERE  
24 ARE MULTIPLE MOTIVATIONS FOR THESE PROCESSES, BUT ONE  
25 OF THEM WAS TO GET THE FEDERAL GOVERNMENT MORE

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1 ENGAGED; AND I THINK IF NOTHING ELSE, THAT HAS  
2 OCCURRED. AND THAT IS TRUE, I THINK FOR THE BUSINESS  
3 COMMUNITY, AS WELL. I THINK THAT THE FACT THAT THERE  
4 WERE MANY STATE AND REGIONAL APPROACHES TO DEALING  
5 WITH THIS ISSUE HAS MOBILIZED THE BUSINESS COMMUNITY  
6 TO SAY, WE NEED TO BE PROACTIVE AND GO TO CONGRESS  
7 AND SAY WE NEED SOMETHING, WHICH WASN'T GOING TO  
8 HAPPEN BEFORE THESE PROCESSES STARTED. THAT'S GOING  
9 TO BE A BENEFIT.

10 NOW, GIVEN THAT, AT LEAST IN THE WESTERN  
11 CONTEXT, I DON'T THINK WE HAVE ANY OWNERSHIP OVER  
12 WHETHER THE WCI DESIGN WILL CONTINUE FORWARD IF  
13 THERE'S FEDERAL LEGISLATION. IT ALL COMES DOWN TO  
14 THE DETAILS AND WHAT COMES OUT. IF THAT FEDERAL  
15 LEGISLATION IS AS STRINGENT AND AS AGGRESSIVE AS THE  
16 WESTERN CLIMATE EFFORTS, THEN I THINK WE WOULD SAY  
17 THERE IS NO NEED FOR BOTH. BUT TO THE EXTENT THAT IT  
18 IS SIGNIFICANTLY LESS THAN WHAT'S EXPECTED IN THE  
19 WESTERN STATES, I THINK YOU'RE GOING TO SEE US  
20 SCREAMING AND YELLING THAT WE SHOULD HAVE THE RIGHT  
21 TO WORK FOR STRONGER REDUCTIONS THAN MAYBE THE  
22 FEDERAL GOVERNMENT IS READY TO HAVE THE APPETITE FOR.

23 AND I LOST MY TRAIN OF THOUGHT, SO I WILL  
24 STOP.

25 MS. HOW: THAT'S OKAY. I WAS GOING TO

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1 MENTION TWO THINGS: CONSISTENCY ON OFFSETS WOULD BE  
2 REAL HELPFUL. CONSISTENCY ON CREDITS FOR EARLY  
3 ACTION, BECAUSE I THINK, JOANNE, THAT WAS YOUR  
4 NOTION; THAT IF THE STATES ARE MOVING QUICKLY, THEY  
5 SHOULD GET SOME CREDIT FOR EARLY ACTION. SO TWO  
6 THINGS TO THINK ABOUT IN THE CONSISTENCY DEBATE.

7 MS. MORIN: WE DEFINITELY AGREE WITH YOU.

8 MR. VAN'T HOF: OH, I WAS JUST GOING TO  
9 THROW OUT -- THE COMMENT THAT I WAS GOING TO MAKE --  
10 THIS IS SIMILAR TO WHAT -- THE SAME DISCUSSIONS THAT  
11 ARE AROUND RENEWABLE PORTFOLIO STANDARDS AT THE  
12 FEDERAL LEVEL AND THE VARIOUS STATE LEVELS. AND THE  
13 SAME ISSUES COME UP. YOU KNOW, IS IT GOING TO BE AS  
14 AGGRESSIVE? CAN YOU HAVE A SYSTEM THAT IS  
15 COMPLEMENTARY SO THAT YOU CAN HAVE MORE AGGRESSIVE  
16 ACTION OCCURRING AT STATE LEVELS THAN UNDER A FEDERAL  
17 RPS, FOR INSTANCE?

18 MS. PAVLEY: I WILL JUST ADD THAT  
19 CALIFORNIA IS VERY INTERESTED IN MAKING SURE THERE'S  
20 CREDIT GIVEN FOR EARLY ACTION MEASURES, FOR  
21 BUSINESSES DOING THE RIGHT THING. WE WANT THEM TO GO  
22 AHEAD NOW, NOT WAIT FOR A FEDERAL POLICY THAT COULD  
23 BE SEVERAL YEARS OFF OR WEAKER THAN THE FEDERAL  
24 LEVEL.

25 DR. WALSH: IT'S JUST VERY GOOD NEWS ON

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1 BOTH OF THOSE LAST TWO ISSUES, ABOUT OFFSET  
2 CONSISTENCY AND EARLY ACTION CREDITING THAT I WILL  
3 BRIEFLY MENTION.

4 OUR FOLKS ARE TELLING US WE HAVE SOME TIME  
5 FOR ONE MORE QUESTION.

6 DR. CICERONE.

7 MAYBE WE CAN MAKE A SPECIAL EXCEPTION.

8 MR. CICERONE: I WANT TO ASK ABOUT CARBON  
9 TAXES. THIS IS NOT MY PREFERENCE; I JUST WANT TO ASK  
10 YOUR REACTION. THERE ARE A NUMBER OF ECONOMISTS WHO  
11 SEEM TO FAVOR CARBON TAXES AS OPPOSED TO THE  
12 CAP-AND-TRADE SYSTEM; AND MANY OF THESE ECONOMISTS  
13 ARE CALLED UPON FOR ADVISING THE FEDERAL GOVERNMENT.  
14 SO THIS IS, ESSENTIALLY, A PREEMPTION QUESTION.

15 FIRST OF ALL, DO YOU SEE MUCH LIKELIHOOD  
16 THAT A FEDERAL PREEMPTION WOULD TAKE THE FORM OF  
17 CARBON TAXES; AND IF SO, WOULD IT DISRUPT THE  
18 CAP-AND-TRADE SYSTEMS THAT YOU'RE SETTING UP?

19 DR. WALSH: I WILL TRY TO MAKE SOME  
20 COMMENTS ON THAT THIS AFTERNOON MYSELF, BUT THIS IS  
21 THE PANEL OF THESE FOLKS. THERE ARE SOME THAT VIEW  
22 THOSE AS POTENTIALLY COMPLEMENTARY TOOLS, MUTUALLY  
23 SUPPORTIVE.

24 BUT PLEASE.

25 MS. PAVLEY: I'LL JUST SPEAK FROM

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1 CALIFORNIA. YOU KNOW, WE PUT A MANDATORY CAP IN  
2 PLACE AND MENTOR REPORTING. WE'RE IN A DISCUSSION  
3 FOR THE NEXT COUPLE OF YEARS ON MARKET-BASED  
4 MECHANISMS, LUKEWARM ON OFFSETS, SO LOOKING AT  
5 AUCTIONS AND POSSIBLE ALLOWANCES. BUT ALSO ON THE  
6 TABLE, PERHAPS, WILL BE DISCUSSION OF CARBON TAX IS A  
7 MORE SIMPLISTIC WAY TO IMPLEMENT OUR DESIRED  
8 REDUCTIONS.

9 OUR NUMBER ONE PRIORITY IS TO QUANTIFY REAL  
10 EMISSIONS REDUCTIONS. THAT BEING SAID, MOST OF US,  
11 THOUGH, EVEN THOUGH I'M IN THE ENVIRONMENTAL  
12 COMMUNITY BY WAY OF BACKGROUND, ARE VERY SUPPORTIVE  
13 OF LETTING US SEE IF MARKET-BASED MECHANISMS WORK TO  
14 INCENTIVIZE THE BUSINESS COMMUNITY TO MAKE THOSE  
15 INVESTMENTS AND PROVIDE THEM THE TOOLS. SO WE'RE  
16 TRYING TO LEAVE ALL OPTIONS ON THE TABLE IN  
17 CALIFORNIA TO MAKE SURE THAT WE GET THIS RIGHT.

18 MR. VAN'T HOF: YEAH, I WOULD JUST ADD THAT  
19 I AGREE, I THINK THAT THERE IS A LOT OF INTEREST IN  
20 WHETHER THERE'S COMPLEMENTARY OPPORTUNITIES AND NOT  
21 JUST FEDERAL AND STATE, THAT YOU GOT LOCAL  
22 GOVERNMENTS LOOKING AT CARBON TAXES AS POTENTIAL  
23 SOLUTIONS. SO YOU MAY HAVE A WHOLE ARRAY OF TOOLS  
24 BEING DEVELOPED ON THE POLICY SIDE, WITH CARBON TAX  
25 BEING ONE OF THE POSSIBILITIES.

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1 YOU KNOW, I THINK THAT THERE WAS TWO  
2 MOTIVATIONS FOR WHY CAP-AND-TRADE GOT SO MUCH  
3 MOMENTUM WHEN THE BUSINESS COMMUNITY SAW IT. MOST  
4 MARKET-BASED APPROACHES GIVES THEM MORE FLEXIBILITY,  
5 AND ARE A BIT MORE WILLING TO TALK ALONG THOSE LINES.

6 YOU HAVE THIS POLITICAL APPROACH, THE TAX REALLY  
7 DOESN'T WORK VERY WELL, AT LEAST IN THE WESTERN  
8 STATES AND NEW HAMPSHIRE, I'M SURE. BUT THE REALITY,  
9 I THINK, I TEND TO LOOK AT THE CAP-AND-TRADE PROGRAM,  
10 SOME OF IT IS SEMANTICS. I MEAN, YOU HAVE OPTIONS IN  
11 A CAP-AND-TRADE PROGRAM, YOU'RE RAISING REVENUES TO  
12 DEAL WITH GREENHOUSE GASSES. AND WE DON'T CALL IT A  
13 TAX. IT'S AN AUCTION. BUT THE QUESTION IS HOW ARE  
14 REVENUES COMING INTO THE SYSTEM AND HOW ARE THEY  
15 GOING TO BE ALLOCATED TO GET GREENHOUSE GAS  
16 REDUCTIONS. THE SAME CAN BE TRUE FOR THE LOW-CARBON  
17 FUEL STANDARD, AS AN EXAMPLE, WHERE YOU WOULDN'T BE  
18 CALLING IT A TAX, BUT EFFECTIVELY, THE PRODUCERS ARE  
19 GOING TO PASS ON COSTS TO CONSUMERS AND EFFECTIVELY  
20 BECOME, SAY, A REVENUE SOURCE.

21 DR. WALSH: ONE WONDERS WHETHER THE  
22 SCARCITY OF POLITICIANS WITH CARBON TAX PROPOSALS IS  
23 A REFLECTION OF THE MARKET REALITY. I KNOW OF  
24 ESSENTIALLY NONE.

25 MS. PAVLEY: ALL THE PRESIDENTIAL

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1 CANDIDATES ARE TALKING ABOUT CAP-AND-TRADE.

2 MS. MORIN: NOW, I DO JUST WANT TO ECHO  
3 THAT IN SAYING THAT THAT WAS MY REACTION, IS THAT  
4 THIS NEW AUCTION ANGLE ON THE MARKET APPROACHES IS  
5 ALMOST A HYBRID AND IS SIMILAR TO A CARBON TAX; AND  
6 THERE COULD BE SOME ARGUMENTS AGAINST CARBON TAXES  
7 THAT YOU DON'T NECESSARILY CHANGE BEHAVIOR. SO IF  
8 YOU HAVE A CAP-AND-TRADE WHERE THE EMISSIONS ARE  
9 DEFINITELY COMING DOWN AND THEN YOU USE THOSE  
10 REVENUES IN SOME POSITIVE MANNER, YOU KNOW, IT MIGHT  
11 BE KIND OF A HYBRID APPROACH. THAT IS KIND OF WHY  
12 THAT IT IS A PSEUDO CARBON TAX IN A WAY. SO IT IS A  
13 VERY INTERESTING AREA.

14 DR. WALSH: SIR, THANK YOU FOR YOUR  
15 PATIENCE.

16 DR. KEENEY: I'M TIM KEENEY FROM NOAA  
17 HEADQUARTERS.

18 AND, FIRST, I WOULD LIKE TO CONGRATULATE  
19 EACH OF YOU UP THERE FOR THE LEADERSHIP THAT YOUR  
20 STATES HAVE TAKEN IN THIS IMPORTANT AREA. AND I'M  
21 PARTICULARLY INTRIGUED BY THE DYNAMICS BETWEEN NEW  
22 HAMPSHIRE AND CALIFORNIA. I CHAIRED THE OZONE  
23 TRANSPORT COMMISSION, WHERE WE SPENT MANY YEARS  
24 LOOKING AT THE CALIFORNIA CAR AND HOW IT MIGHT BE  
25 IMPLEMENTED IN THE NORTHEAST 12 STATES. SO I

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1 APPRECIATE YOUR BOTH BEING UP THERE.

2 I'M JUST CURIOUS -- CERTAINLY YOUR  
3 LEADERSHIP IS GOING TO HAVE A LOT OF INFLUENCE ON  
4 MOVING THINGS IN WASHINGTON, D.C. AND I'M CURIOUS TO  
5 WHAT EXTENT YOU'VE BEEN CONTACTED BY THE PRESIDENTIAL  
6 CANDIDATES AND TO WHAT EXTENT THESE ISSUES ARE GOING  
7 TO BE DEBATED IN THE UPCOMING DEBATES.

8 MS. PAVLEY: SEVERAL OF THE MEMBERS OF THE  
9 CONGRESSIONAL DELEGATION FROM CALIFORNIA, AND  
10 PARTICULARLY SENATOR BOTSON'S OFFICE, BECAUSE SHE

11 CHAIRS THAT COMMITTEE, AND CONTACTED ME. I'VE LOOKED  
12 AT SOME OF THE PROPOSED LEGISLATION.

13           REGARDING THE PRESIDENTIAL CANDIDATES, I  
14 HAVE TO BE HONEST WITH YOU, I'M VERY DISAPPOINTED  
15 THAT THIS IS NOT HIGHER UP ON THEIR PRIORITY LIST,  
16 AND PART OF THE PROBLEM IS THE MEDIA IS NOT ASKING  
17 THE QUESTIONS. SO ONE THING THAT HAPPENED RECENTLY  
18 IN CALIFORNIA, THE LEAGUE OF CONSERVATION VOTERS  
19 HOSTED A FORUM IN THE LOS ANGELES AREA, TWO HOURS  
20 LONG, ON ENERGY AND GLOBAL WARMING AND SOLUTIONS,  
21 ETC., HILLARY CLINTON, JOHN EDWARDS, AND DENNIS  
22 KUCINICH SHOWED. ALL THE CANDIDATES WERE INVITED.  
23 THIS WASN'T AN OFFICIAL DEBATE, SO SOME HAVE A POLICY  
24 OF NOT PARTICIPATING IN THEM. I THINK WE NEED TO  
25 COLLECTIVELY HAVE TO MAKE SURE THAT THIS IS PART OF

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1 THE DISCUSSION AS THIS RACE MOVES FORWARD.

2           BUT THERE WAS AN ARTICLE RECENTLY, I THINK  
3 IT WAS IN "TIME" MAGAZINE COMPARING THE DIFFERENT  
4 CANDIDATES ON THEIR -- HOW MUCH REDUCTIONS THEY'D  
5 ACHIEVE. EVERYONE SAYS 80 PERCENT BY 2050, BUT  
6 THEY'RE NOT REALLY ARTICULATING AT ALL HOW WE GET  
7 THERE. AND SO I THINK WHO ARE THEIR KEY ADVISORS  
8 THAT THEY WILL BRING WITH THEM WHEN THEY ARE ELECTED  
9 IS ABSOLUTELY CRITICAL.

10           BUT I THINK YOU CAN HAVE THIS DISCUSSION IN  
11 EVERY STATE NOW IN THE UNITED STATES. I THINK THAT'S  
12 WHAT'S FRUSTRATING. SO THEY'RE SILENT ON THIS  
13 BECAUSE THEY DON'T WANT TO UPSET ANY POTENTIAL VOTERS  
14 IN AN OIL STATE OR A COAL STATE AND EVERYTHING ELSE,  
15 BUT ENERGY SECURITY IS A VERY IMPORTANT ISSUE TO  
16 EVERYONE IN THIS COUNTRY, REPUBLICAN AND DEMOCRAT,  
17 PEOPLE SUPPORTING INVESTING IN RENEWABLES BECOMING  
18 MORE ECONOMICALLY INDEPENDENT, AS WELL, AND THE  
19 DESIRABILITY OF NEW JOBS.

20           SO THAT I THINK WE NEED TO COLLECTIVELY  
21 MAKE SURE THAT ALL THESE PRESIDENTIAL CANDIDATES DO A  
22 BETTER JOB OF BEING ENGAGED IN THE DEBATE. SOMEBODY  
23 TOLD ME THAT OUT OF THE 16 CANDIDATES THAT WERE  
24 INTERVIEWED ON "MEET THE PRESS" WITH TIM RUSSERT OVER  
25 300 QUESTIONS HAVE BEEN ASKED, NOT ONE ON ENERGY.

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1           MS. MORIN: NOW, I WOULD ECHO THAT. BEING  
2 THAT NEW HAMPSHIRE IS THE FIRST PRIMARY IN THE  
3 COUNTRY, WHICH WE'RE STRUGGLING TO HOLD ONTO --  
4           (LAUGHTER)

5           NO, I THINK I'M VOTING ON JANUARY 3RD, IT'S  
6 KIND OF INSANE. BUT SO A LOT OF -- AND OF COURSE, AS  
7 YOU KNOW, WE GET A LOT OF ONE-ON-ONE TIME WITH ALL  
8 THE CANDIDATES. AT A LARGE GLOBAL WARMING CONFERENCE  
9 WE HAD, ALL THE CANDIDATES THERE, BY CLEAN AIR, COOL  
10 PLANET AND IT'S INTERESTING, I'VE ACTUALLY REVIEWED A  
11 LOT OF THEIR PLATFORMS. I WORKED ON ONE OF THEM.  
12 AND THEY ACTUALLY HAVE A LOT OF DETAILED PROPOSALS,  
13 BUT IT IS NOT GETTING OUT IN THE PRESS. AND THAT IS  
14 KIND OF THE DISAPPOINTING THING, IS THAT I THINK ALL  
15 OF THEM, CERTAINLY THE DEMOCRATS AND MOST OF THE

16 REPUBLICANS -- NOT ALL OF THEM -- ACTUALLY ARE  
17 DEVELOPING POSITIONS ON THIS AND SPEAKING TO IT.

18 WE HAD A LOT OF THE REPUBLICANS AT THE  
19 GLOBAL WARMING CONFERENCE, AND THEY ARE ALL SPEAKING  
20 TO IT. CERTAINLY, THE REPUBLICANS SPEAK MORE FROM  
21 THE ENERGY SECURITY SIDE THAN THE DEMOCRATS. BUT THE  
22 QUESTIONS AREN'T GETTING ASKED, AND I'M WORRIED THAT  
23 IT'S NOT HIGH ENOUGH UP IN TERMS OF AN ISSUE IN TERMS  
24 OF, YOU KNOW, WHETHER SOMEONE SHOULD BE ELECTED, IS  
25 THAT THEIR CLIMATE CHANGE POLICY, AND THAT IS A MAJOR  
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1 CONCERN FOR ME. I DON'T THINK IT'S GETTING TO THE  
2 BROAD STREAM PUBLIC ENOUGH IN TERMS OF BEING ONE OF  
3 THE TOP THREE ISSUES. OBVIOUSLY, THE WAR IS GOING TO  
4 BE THE TOP ISSUE, AND ECONOMICS; BUT THIS NEEDS TO BE  
5 TIED WITH ECONOMICS, IT NEEDS TO BE TIED WITH ENERGY  
6 SECURITY, SO THAT IT GETS UP IN THE TOP THREE OR THE  
7 TOP FIVE ISSUES IN TERMS OF WHO ARE YOU GOING TO  
8 ELECT FOR THE NEXT PRESIDENT. AND I THINK THAT IS  
9 THE MAJOR CONCERN.

10 I THINK THE CANDIDATES, ACTUALLY, ARE READY  
11 TO ADDRESS IT AND HAVE DONE SOME WORK ON IT. I SEE A  
12 LOT OF DETAIL WHEN I SIT ON COMMITTEES. A NUMBER OF  
13 THE DEMOCRATIC COMMITTEES HAVE CLIMATE CHANGE  
14 COMMITTEES, STEERING COMMITTEES FOR THEM IN NEW  
15 HAMPSHIRE, WHICH TO ME IS PRETTY SIGNIFICANT.

16 SO WE NEED TO GET IT MORE IN THE GENERAL  
17 PUBLIC AND A LITTLE MORE HEAT IN TERMS OF IT BEING A  
18 MAJOR ISSUE FOR THE COUNTRY.

19 MR. VAN'T HOF: AND I'LL JUST QUICKLY ADD  
20 TO THAT: WE'VE HAD REALLY GOOD INPUT FROM GOVERNOR  
21 RICHARDSON, SINCE SHE'S ONE OF OUR MEMBERS IN THE  
22 WCI. BUT APART FROM THAT, THE CANDIDATES JUST DON'T  
23 ENGAGE WITH THESE PROCESSES, AS FAR AS I KNOW.

24 AND IN MY VIEW, THE MOST IMPORTANT THING IS  
25 THAT WHOEVER BECOMES PRESIDENT IS GOING TO HOLD  
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1 CONGRESS' FOOT TO THE FIRE TO MAKE SURE, AND BE  
2 PUSHING FOR THEM TO NOT WATER DOWN OR GO SOFT ON WHAT  
3 THE LEGISLATION WILL BE. SO I THINK THAT'S GOING TO  
4 BE THE BIG FOCUS. IN THE PRIMARIES, IT'S HOW  
5 AGGRESSIVE WILL THEY BE ON THAT.

6 AND THE LAST POINT IS JUST THAT A LOT OF  
7 THE FOLKS THAT ADVISE OUR PROCESSES, FOLKS LIKE WORLD  
8 RESEARCH INSTITUTE AND THE PEW CENTER, ARE ADVISING  
9 THE LEGISLATORS AND THEIR STAFFS. SO THAT THE  
10 LEGISLATION THAT YOU'RE SEEING COMING OUT OF THE  
11 CONGRESSIONAL PROCESS HAS SOME TIE-IN TO WHAT THESE  
12 GROUPS ARE DOING. BUT THE CANDIDATES AND THEIR STAFF  
13 IS A DIFFERENT QUESTION.

14 DR. WALSH: I THINK JOANNE RAISES A  
15 QUESTION THAT OUR ALL-STAR PANEL THAT CLOSES TODAY  
16 SHOULD HELP US ADDRESS. A YEAR OF MASS PUBLIC  
17 RECOGNITION OF THIS ISSUE, NOBEL PRIZES, OSCAR  
18 PRIZES, VERY SOLID SCIENTIFIC CONCLUSIONS AND  
19 UNDERSTANDING THAT THERE ARE MITIGATION OPTIONS  
20 AVAILABLE; YET, AS JOANNE POINTS OUT, IT'S NOT PART

21 OF THE SORT OF ROUTINE LEXICON IN THE POLITICAL OR  
22 PUBLIC DISCOURSE. IT IS REALLY IN SORT OF AN  
23 ISOLATED CORNER, IS ONE WAY OF THINKING OF IT. BUT  
24 PERHAPS WE CAN COME TO THAT.  
25