

*Docket and Distribute  
Susan Brown  
3.13.06*

<b>DOCKET</b>	
<b>6-BAP-1</b>	
DATE	MAR - 9 2006
RECD.	MAR 14 2006

PRESENTATION OF

LOREN J. HOV

IN

DOCKET 06-BAP-1

PUBLIC MEETING AND WORKSHOP

RE: DRAFT BIOENERGY ACTION PLAN

THURSDAY MARCH 9, 2006

CALIFORNIA ENERGY COMMISSION  
1516 NINTH STREET  
SACRAMENTO, CALIFORNIA

ORIGINAL

I AM LOREN J. HOV, OF SACRAMENTO, A CALIFORNIA LICENSED PROFESSIONAL ENGINEER FOR OVER 40 YEARS, WORKED FOR A FORTUNE 500 CHEMICAL COMPANY FOR OVER 30 YEARS, THE LAST 15 FIRST AS DIRECTOR OF MANUFACTURING OF THEIR AGRICULTURAL CHEMICAL DIVISION (16 PLANTS) AND THEN DIRECTOR OF ENERGY MANAGEMENT OF THE CORPORATION (64 PLANTS).

I HOLD MANY PATENTS IN DIVERSE FIELDS, HAVE HAD MY OWN CONSULTING BUSINESS FOR A QUARTER OF A CENTURY, AND, AM ALSO CURRENTLY A MANAGER OR PRINCIPAL OF SEVERAL STARTUP COMPANIES. ALSO, SINCE I WAS 8, A FRUSTRATED FARMER.

IN THE 1970's BIO-ACTIVE ORGANIC CHEMICAL COMPOUNDS WERE DISCOVERED THAT REGULATED OR ALTERED THE GROWTH RATE OF PLANTS AND TREES WITHOUT GENETIC ALTERATION (JUST AS FERTILIZERS DO). VERY RECENTLY MORE OUTSTANDING COMPOUNDS HAVE BEEN FOUND THAT, IN TESTS, GREATLY INCREASE GERMINATION AND RATE, GROWTH AND PRODUCTION, ALL OF THESE IN NORMAL AND STRESSED SOILS. LITTLE, IF ANY, HAS BEEN PUBLISHED ABOUT THESE COMPOUNDS, BEING VERY NEW AND PROPRIETARY.

FOR EXAMPLE, CORN PRODUCTION PER UNIT AREA IN EARS AND PLANT BIOMASS IS INCREASED, WHICH SHOULD INCREASE POTENTIAL ETHANOL AND ELECTRICITY PER UNIT AREA PLANTED. THIS HAS ALSO BEEN DEMONSTRATED FOR RICE, COTTON AND SOY BEANS.

TESTS ARE UNDERWAY FOR THE COAST REDWOOD TREES (SEQUOIA SEMPERVIRENS) AND THE AFRICAN OIL PALM WHICH IS CURRENTLY BEING USED IN ASIA FOR BIODIESEL PRODUCTION. SUCH TESTS DO TAKE TIME.

THIS IS NEW TECHNOLOGY AND OTHER TECHNOLOGIES FOR BIOENERGY INCREASE AND REDUCED COSTS ARE PROBABLY OUT THERE. THE CALIFORNIA ENERGY COMMISSION SHOULD BE WELL AWARE THAT NEW TECHNOLOGIES ARE COMING AND FURTHER SUPPORT THEM IN TIER 1 AND TIER 2 ACTIONS.

ALTHOUGH NEW TECHNOLOGY SUPPORT IS FREQUENTLY MENTIONED IN THE RECOMMENDED ACTIONS, SOME, OTHER THAN THE OBVIOUS, MIGHT BE EXPANDED SUCH AS THE LAST ITEM OF THE TIER 1 DRAFT (3.b.5) "Establish a system of carbon credits, consistent with broader State policy on greenhouse gas reductions". SINCE CO2 (CARBON DIOXIDE) IS THE MAGIC GOOD AND BAD GAS IN THE CROP-TO-BIOENERGY CYCLE, HOW DO WE ADDRESS THIS POINT?

I INTEND TO ELABORATE LATER IN A WRITTEN SUBMISSION TO THE COMMISSION. THANK YOU!