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*Comment Received From: Chip Seidel- Anden Dehumidifiers and Humidifiers*  
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## **Chip Seidel- Anden Dehumidifiers**

Greetings-

My Name is Chip Seidel, I am the Director of operations for Anden, a division of AprilAire/Research Products corp focused exclusively on equipment for controlling the indoor environment in the commercial indoor agriculture sector. I have a background in commercial indoor air quality, including latent removal equipment, both refrigeration and desiccant based, airflow management, filtration, and ventilation.

Feedback:

On page 52 of the CASE report we need to add Anden to the list of dehumidifier manufacturers.

In general options for standalone dehumidifiers have come a long way in the last 10 years. Cultivators no longer need to rely on inexpensive units manufactured overseas with very poor efficiency ratings and residential type capacities (50-150 pints per day). In our current environment, several very well respected US manufacturers have designed and are now producing high capacity high efficiency dehumidifiers specifically designed for the unique needs of indoor cultivation (ability to operate in low grain conditions when the temps and RH levels are low). These units are available with capacities between in 200-700 pints per day and efficiencies of 2.7-3L/kWh. I am concerned that some of the energy saving calculations being done to compare HVAC systems may not be utilizing the latest efficiency data for these higher end standalone units. There is a big difference between a standalone unit that operates at a 1.7 L/kWh and 2.9L/kWh.

In closing I would like to thank the Energy Commission for the opportunity to respond to this measure.

Sincerely,

Chip Seidel

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