

## DOCKETED

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## **How California can "Create" more water**

California consumes a lot of natural gas at commercial buildings and by industry and at our electricity producing power plants. In every 1 million Btu's of combusted natural gas are 5 gallons of recoverable distilled water. Today this water is going into the atmosphere in the exhaust and is coming down as rain in the midwest or on the east coast. We need that water here.

To get at this water the heat energy has to be removed from the combusted waste exhaust. This is done with a Condensing Flue Gas Heat Recovery Unit that is place beside the chimney or the natural gas appliance. The recovered heat energy can be used back in the building or facility as space heating or to heat domestic or process water. At the power plants if space provides, commercial greenhouses can be constructed and the recovered heat energy can be used to heat and or cool these buildings in where food products can be grown. The cooled exhaust (CO<sub>2</sub>) will be pumped into these structures proving enrichment (fertilizer) to these plants. Many jobs will be created generating this water that can be used in the power plants cooling towers. This process will also conserve water that is now being used. The power plant can be a water supplier to the local community instead of being a water consumer.

The Department of Energy states that for every 1 million Btu's of heat energy that is recovered from this combusted exhaust and is utilized, 117 lbs of CO<sub>2</sub> will not be put into our atmosphere.

At a lot of these locations where Condensing Flue Gas Heat Recovery is being done the exiting exhaust can be cooler in temperature than the outside air, helping to reduce Global Warming.

By increasing natural gas energy we have reduced global warming and CO<sub>2</sub> emissions and created a whole lot of consumable water.

I look forward to your reply and comments.

Sid Abma

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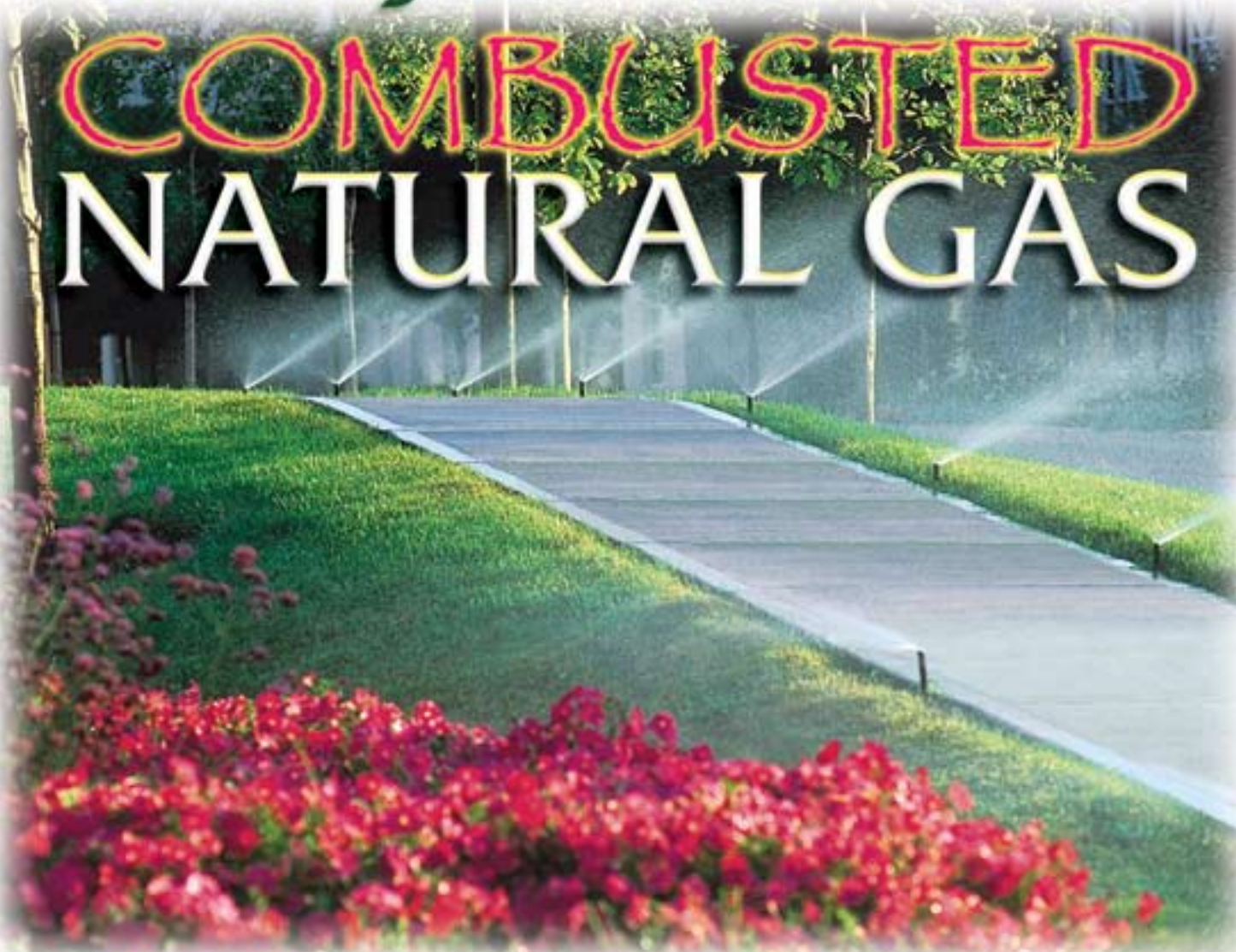
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*Additional submitted attachment is included below.*

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and flower beds?**

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