LGC

Yosemite Policy Makers Conference
March 15, 2018
Panama Bartholomy
Local Government
The Past
Subdivision with Predominantly North- and South-Facing Sites

Source: Viera et al. 1992. p.3-5
Village Homes subdivision built in the late 1970s in Davis, California. The layout of the subdivision allowed every house to face the winter sun.
Government Code 66473.1

• (a) The design of a subdivision for which a tentative map is required ... shall provide, to the extent feasible, for future passive or natural heating or cooling opportunities in the subdivision.
The Present
THE END OF THE WORLD

VOTE FOR ME!
The Future
Methane is 84x more potent than CO₂ in the short term.
2015 Total CA Emissions: 440.4 MMTCO2e
Apartment fire kills 12 in New York, four injured

Belgium: Bodies found after Antwerp apartment explosion

A suspected gas explosion in the Belgian city of Antwerp has claimed at least two lives and injured at least 14 people. The explosion ripped through apartment buildings, causing at least one building to collapse.

Explosion in Brooklyn Apartment Injures 4

Gas Leak Believed to Blame for Fatal Lubbock Home Explosion

Lubbock authorities say they believe a gas leak is responsible for the explosion and fire in a home where a 25-year-old was killed.

Elderly woman is missing after a New Year's Eve gas explosion tore through her bungalow

Man injured in natural gas explosion in Boise

GAS BLAST Man pulled from rubble after massive gas explosion destroys home and 'blew terrified people out of their beds'

Officials: Man, 50, ejected from NJ home following gas explosion
Higher wages and lower seasonal home prices pushed California housing affordability to 34 percent in the first quarter of 2016.

Housing Affordability Index
Percentage of households who can afford to buy a median-priced home
1st Quarter, 2016
www.car.org/marketdata

GAS VS ELECTRIC
<table>
<thead>
<tr>
<th>Price Quote</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>$8841 (single-family)</td>
<td>Palo Alto</td>
</tr>
<tr>
<td>$17,634 (8-unit MF)</td>
<td>Palo Alto</td>
</tr>
<tr>
<td>$1000 (single-family)</td>
<td>EPRI for SMUD</td>
</tr>
<tr>
<td>$600 (per unit of MF)</td>
<td>Contractor quote, north coast</td>
</tr>
<tr>
<td>$2000 (per bldg. of MF)</td>
<td>Contractor quote, north coast</td>
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<tr>
<td>$14,768 (single-family)</td>
<td>PG&amp;E, Richmond</td>
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<tr>
<td>$10,000 (MF)</td>
<td>Pasadena</td>
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<tr>
<td>Price Quote/Estimate</td>
<td>Source</td>
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<td>-------------------------------</td>
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<tr>
<td>$578 - $718 (single family)</td>
<td>Homewyse Web Site</td>
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<tr>
<td>$300 - $1000 (single family)</td>
<td>Costhelper.com</td>
</tr>
<tr>
<td>$259 - $733 (single family)</td>
<td>homeadvisor.com</td>
</tr>
<tr>
<td>$200 - $500 (single family)</td>
<td>Fixr.com</td>
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<tr>
<td>$550 (single family)</td>
<td>EPRI for SMUD</td>
</tr>
<tr>
<td>$200/fixture (MF)</td>
<td>Contractor quote, north coast</td>
</tr>
<tr>
<td>$200-$300/fixture (MF)</td>
<td>Contractor quote, Pasadena</td>
</tr>
</tbody>
</table>
**Rheem EcoSense** 36 in. Vent Length 3 x 5 in. Stainless Steel Concentric Venting Straight Vent for Rheem Indoor Tankless Gas Water Heaters

Model# RTG20151D-1

**$44.28**

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**Rheem EcoSense** 3 in. x 5 in. Stainless Steel Vertical Concentric Termination Vent Kit for High Efficiency Tankless Gas Water Heaters

Model# RTG20211

⭐⭐⭐⭐⭐ (3)

**$239.00**

---

**Rheem EcoSense** 3 in. x 5 in. Horizontal Stainless Steel Concentric Termination Vent Kit for Mid Efficiency Tankless Gas Water Heaters

Model# RTG20210

⭐⭐⭐⭐⭐ (6)

**$89.00**

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**Cost of Plumbing Indoor Gas Line to a Fixture: $250-800**

**Cost of Venting Gas Exhaust: $270-$850**
Rheem 3 Ton 14 SEER Heat Pump Split System R410A Refrigerant
from ACWholesalers.com

Rheem · Heat Pump · With Heater

Overview for Rheem RH1T3617STANJA RP1436AJ1NA This Rheem 3 Ton 14 SEER Heat Pump Split System Bundle comes with a highly featured and reliable Rheem RP1436AJ1NA heat pump ...

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(3,948)

Rheem 3 Ton 14 SEER 80% AFUE 75K BTU R410A Complete Split System AC and Gas
from Ingrams Water And Air Equipment

Rheem
Condenser Model: RA1436AJ1NA Coil Model: RCF3617STAMCA Furnace Model: R801SA075417MSA Rheem 3 Ton 14 SEER 80% AFUE 75K BTU R410A Complete Split System AC and Gas Rheem RA14 3 ...

See more details at Ingrams Water And Air Equipment »

$3,024.00
Free shipping. No tax
Ingrams Water And Air Equipment
(966)
GAS VS ELECTRIC
Pollutant Exposures from Natural Gas Cooking Burners: A Simulation-Based Assessment for Southern California
Jennifer M. Logue,1,2 Neil E. Klepeis,3,4 Agnes B. Lobscheid,1 and Brett C. Singer1,2, 2014
ELECTRIFIED COOKING IS THE CHOICE OF CHEFS
Cheaper
Safer
Cleaner
=
Better
IT'S TIME TO ELECTRIFY

JOIN US
WHAT INSPIRES YOU?
“Exercising my ‘reasoned judgment,’ I have no doubt that the right to a climate system capable of sustaining human life is fundamental to a free and ordered society.” – U.S. District Judge Ann Aiken
Thank you for your service!