



# Natural Gas Vehicle

Home Fueling Appliances and Gas Rates

Customers with natural gas vehicles (NGV) can install equipment that allows them to fuel from the convenience of their home. Below is an overview of how to obtain home fueling appliances and gas rate options for these users.

Appliance Name	Vehicle Type	Fill Rate (Gasoline Gallon Equivalent per Hour)
Phill	Sedans	.35 GGE/hr
FMQ-2-3600	Pick Up Trucks, Vans	1 GGE/hr
FMQ-8-3600	Light Commercial, Small to Medium Fleets	4 GGE/hr

Gas Rate	Pros	Cons
GR	Rate change not required. Meter charge is approx. \$5/month.	Does not take advantage of special NGV gas rates. If customers exceed baseline amount of gas usage, rate jumps into a higher cost second tier.
G-NGVR	Low gas transmission charge. Remains constant regardless of number of therms used. Entire home is billed at same rate.	Meter charge is approx. \$10/month.
G-NGV	Gas transmission charge is billed at cost with no markup.	Requires the installation and upfront cost of a second meter. Must pay the \$5/month meter charge for the original house meter and the \$13/month meter charge for the second meter.

## Appliance Purchase and Installation Information

BRC Fuelmaker manufactures the only certified equipment in California that enables homeowners to fuel their NGVs from their existing natural gas supply. The [Phill](#) is sized for fueling sedans. The FMQ-2 is appropriate for larger vehicles, such as pickup trucks and vans, but is no longer manufactured. The FMQ-2-3600 is currently available but is not yet certified for home fueling; BRC Fuelmaker hopes to get approval by 2025. The FMQ-8-3600 is designed for light commercial/small to medium fleets.

All three models are certified for commercial fueling, have the same nozzle connections, and have a 2,000-hour warranty. On average, compressor heads need to be replaced after 4,500 hours of use.

[Jaycox Construction / CNG](#) is the only authorized dealer of BRC Fuelmaker equipment in California. To purchase a BRC Fuelmaker product, potential customers must first contact Jaycox Construction, who will assess their fueling needs and determine which model will suit them best.

Home fueling appliances are time-fill systems. A truck will take approximately 10 hours to completely fuel with a FMQ-2-3600 at 1 GGE/hr, while a sedan will take 1.5 days with the Phill at .35 GGE/hr. The FMQ-8-3600 fuels at 4 GGE/hr.

Customers may need to upgrade their electric panel and/or gas service before installing a home fueling appliance. For example, the Phill requires a dedicated electrical circuit capable of delivering 15 amps of 240-volt ac power. Similarly, it requires a constant 7" water-column of gas pressure at .35 GGE/hr. Other Phill specifications are available [here](#). City permits may also be required.

While Jaycox does not install the appliance, the company can make referrals to qualified plumbers, or it can be installed by a plumber of the customer's choosing. After it is installed, Jaycox will inspect, commission, and warranty the unit, as well as train the customer on how to use it.

### **Optional Gas Rate Change Information**

Although not required, customers may consider changing their gas rate from [GR](#) to [G-NGVR](#).

While G-NGVR's \$10 monthly meter charge is more than GR's \$5 monthly meter charge, it has a lower gas transportation charge than GR of approximately 65-75%. Unlike GR, G-NGVR is fixed at a low and constant rate, so the customer does not have to worry about going over baseline, regardless of the number of therms used. The discounted rate

applies to all volumes of gas used in the home and is not limited to those solely used for refueling. G-NGVR is only available to individually metered residential customers who have an installed home fueling appliance.

To change their rate, customers must fill out an [Authorization to Change Residential Rate Form](#). They may also request that a copy of the form be mailed to them by contacting SoCalGas' Customer Contact Center (CCC) at 800-427-4400. Completed forms must be sent back to SoCalGas via postal mail at Mass Markets Billing—Attention: BOS, P.O. Box 513249, M/L SC710K, Los Angeles CA 90051-1249 or via fax at 323-518-2248.

Customers also have the option to change to the commercial NGV billing rate ([G-NGV](#)), which requires the addition of a second gas meter at their residence, which has a meter charge of \$13 per month, in addition to the \$5 per month charge for the GR rate from their original house meter. With G-NGV, however, the gas commodity is billed at cost with no markup. A second meter is usually installed on a branch next to the existing meter and must be paid by the customer up front.

If customers decide to change their gas rate, they may be asked to provide a copy of their invoice showing proof of the fueling appliance's installation. Questions regarding rate changes may be directed to the CCC at 800-427-4400.