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For many pool owners, a heater seems like a luxury. Not only is there the initial expense of the heater itself, but also installation and operation costs to consider. However, you might miss out on months of poolside fun every year without a pool heater. A pool heater is well worth the money for most homes to regulate your water temperature. The right
pool heater allows you to make the most of your swimming pool year-round, even when the weather starts to get chilly. In this article, I will break down how much it costs to heat your pool and how to do it efficiently. For data on specific heater models, head to my research on the best pool heater. Main Takeaways There are three types of pool
heaters: solar heaters, electric heaters (heat pump or resistance), and gas heaters. It costs between $1,500 and $7,500 to install a new heater. Some factors that affect the cost of heating include: the outside weather, the size of your pool, using a cover, utility costs, and your preferred temperature. You can choose from three main types of pool
heaters that primarily differ in which energy source they use, price point, and operating costs. Depending on the heater you want, you may pay between $1,500 and $7,000 for a new unit. Heater TypeAverage Price RangeSolar Heater$1,500 to $7,000 Electric Heat Pump$2,000 to $6,500 Electric Resistance Heater$1,000 to $5,000 Gas/Propane
Heater$1,500 to $6,000 BreakdownCostEquipment$1,500 to $7,000Labor$500 to $2,500Total$1,500 to $9,500 Solar heaters convert energy from the sun into heat for your pool using solar panels without costing you a
dime. Find out more about the cost of a solar pool heater in my cost breakdown article as well. They're also environmentally friendly, low maintenance, and typically hold up around 25 to 30 years. Solar heaters tend to warm the water more slowly than other options, at a rate of about one to three degrees per minute. They also require light year-
round and won't work well if they aren't directly facing the sun. They are also a great option for above ground pool for more information. Advantages: Free to operate Eco-friendly and energy-efficient Don't require much maintenance Last up to 30 years Disadvantages: High installation costs
Heats the water more slowly than other options Require light year-round Panels don't work well when facing north You can head to my solar pool heater reviews for specific recommendations. BreakdownCostEquipment$2,000 to $6,500Labor$500 to $1,000Total$2,500 to $7,500 Heat pumps use a 220V electrical line and at least a 40 amp breaker to
convert energy into heat. They're relatively expensive to purchase, but don't cost much to operate. Most heat pumps have a green, energy-efficient design that keeps energy usage and emissions low. Electric heat pumps have a green, energy-efficient design that keeps energy usage and emissions low. Electric heat pumps have a green, energy-efficient design that keeps energy usage and emissions low.
choice for you. They heat the water very slowly, especially when it's cold outside. Advantages: Fairly expensive installation Heats water slowly in cold temperatures BreakdownCostUnit$1,000 to $5,000Labor$500 to $1,000Total$1,500 to $6,000 Though this type of
heater also runs on electricity, it warms water through a different mechanism than heat pumps. Instead of relying on heat from the surrounding air, this type of pump passes water directly over a heating unit. Electric resistance heaters function well independently of temperature, making them a good choice for cold climates. However, the design is
relatively inefficient and costly to run. It's also a significant drain on your daily energy consumption. Advantages: Produce clean energy Works well in both warm and cold climates Low initial cost Disadvantages: Produce clean energy Works well in both warm and cold climates Low initial cost Disadvantages: Produce clean energy Works well in both warm and cold climates Low initial cost Disadvantages: Inefficient design Costs more than other options to operate BreakdownCostUnit$1,500 to $6,000Labor$500 to $1,500Total$2,000 to $7,500
 Propane and gas pool heaters are popular for homeowners because they're relatively cheap to install and heat water quickly. They make a good choice for those who only swim occasionally and want the option to heat and cool their pool as needed, as propane offers complete control over temperature. While propane heaters might be cheaper upfront,
it's important to remember that they cost more to operate than other options. Propane also poses more of a potential danger to your household than other energy sources if misused. Advantages: Expensive to operate More hazardous than other
options Check out my complete comparison of electric vs. gas pool heaters for more similarities and differences and which you should choose. I also wrote a guide on how pool heater for your pool, there are still installation costs to consider
You must prepare your pool, from removing old pool heating equipment to installing a new one. The cost of removing an old pool heater in your pool, you must remove it before installing a new one. The cost of removing an old pool heater in your pool setup. If you hire a
professional, most will simply include removal in the overall installation cost. If you are unsure whether you need a new pool heater, read my guide on how long pool heater. Gas, propane, and electric heaters require
specialized utility lines to work, while solar heaters need to connect to functioning panels. If you have to add hookups or switch to a different utility line, it will add an average of around $300 to $1,700 to the final installation price. Installing new gas lines costs between $400 and $2,500. A
new water line can run you anywhere from $300 to $2,000. As you can see, installation costs are a big portion of pool heater costs. So, some pool owners save on installation fees. That said, I don't recommend installing a complex
electric heat pump or gas heater unless you really know what you are doing. While the DIY route might seem prudent, keep in mind that it may cost you more in the long run. An improperly installed heater can cause all sorts of problems and can be potentially dangerous, especially if you improperly installed heater can cause all sorts of problems and can be potentially dangerous, especially if you improperly installed heater can cause all sorts of problems and can be potentially dangerous, especially if you improperly installed heater can cause all sorts of problems and can be potentially dangerous, especially if you improperly installed heater can cause all sorts of problems and can be potentially dangerous, especially if you improperly installed heater can cause all sorts of problems and can be potentially dangerous, especially if you improperly installed heater can cause all sorts of problems and can be potentially dangerous, especially if you improperly installed heater can cause all sorts of problems and can be potentially dangerous, especially if you improperly installed heater can cause all sorts of problems and can be potentially dangerous.
heater installation to the professionals. It costs most pool owners anywhere between $1,600 and $4,000 to install a new heater. On average, you can expect to pay $2,800 to replace your old heater or install a brand-new one. But, obviously, this price varies drastically depending on the type of heater, the size, and the installation route you go for. The
most expensive heater options upfront are heat pumps and solar heaters, which can cost up to $9,500 to purchase and install. However, it's important to remember that these heaters typically cost just $1,200 to $6,200 to install, their monthly operating
expenses can add up over time. However, the cost difference may be worth it to someone looking to heat their pool quickly. The type of pool heater you choose isn't the only thing that can affect your heating bill's cost. There are several other factors to keep in mind that could potentially push you past your budget. Climate is one of the most important
things to consider when looking at pool heaters. A high daily average temperature can save you on energy costs, whereas cold weather means less efficient heating to consider when looking at pool heaters. A high daily average temperature can save you mean make your heater work harder. If you live in a warm and sunny region, the sun will do most of the work for you in heating your pool, so you won't
need to worry about warming the water as much. When it is 100 degrees outside, there is obviously no reason to turn your pool heater on. So, most pool owners spend more money during the winter months to heat their pools. If you live somewhere cool year-round, you may also have to use your pool heater in the summer, though you will definitely
spend less than in the fall or winter. It probably comes as no surprise that your pool's size is a key consideration for heating efficiency. A small or weak heater will take much longer to heat a large pool than a high-capacity heater. A general rule of thumb is to increase your pool heater size by 50,000 British thermal units (BTU) for every 5,000 to
10,000 gallons of water your pool holds. If you live in a cold climate, you may need to increase that to 100,000 BTU. Volume (gallons)Surface Area (Sq. Ft)Heater Size (BTU)1,000-20,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,00010,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-200,000-2
article on what size pool heater you need (which has a calculator) to figure out the right size for your pool. If you leave your pool heater running 24/7, using a cover can help insulate the pool water and reduce your heating costs by up to 70%. By keeping it covered when it's not in use, you reduce both heat loss and evaporation. Pool covers are
 especially handy in colder climates. Installing a pool cover means more than just throwing a tarp over the water. An automatic cover costs around $650 to $2,200 to install, depending on your pool setup. You can also opt for a cheaper solar blanket, which will cost around just $70 to $400. This type of cover transfers heat from the sun to the water,
lowering your overall energy consumption. If price is no object, you may want to build an enclosure for your pool clean and make daily
 maintenance tasks easier. The price of utilities such as propane, gas, and electricity can vary from state to state and even between cities. Utility rates in your area can significantly impact how much you have to pay to heat your pool. When choosing a heater, you may want to look into which utilities are cheapest and most easily accessible where you
live. If you like to keep your pool at near-sauna temperatures, you'll need to expect your heating costs. High water temperature whenever the
pool isn't in use to use less energy and thus save on your energy bill. It's important to factor operating costs into your monthly pool budget if you plan on installing a heater. The cost of running a heater can vary greatly depending on what type of fuel source you use. Type of HeaterCost Per MonthSolar$0 to $120$0 to $10Heat Pump$600
to $2,400$50 to $200Electric Resistance$1,200 to $4,800$200 to $4,800$20
options, there's bound to be a pool heater that will fit your lifestyle and your budget. Still not sure how much a pool heater will cost you in total? Reach out to me; I am happy to clear things up! Home » Swimming Pools » How Much Does It Cost to Run a Pool Heater: Understanding Expenses and Savings Tips ALWAYS CONNECTED: With the Dolphin
Nautilus CC Plus robotic pool vacuum cleaner, schedule your pool cleanings from anywhere with always connected Wi-Fi. The Hayward Poolvergnuegen 2-Wheel Suction PoolCleaner features patented self-adjusting turbine vanes that deliver maximum power at any flow and allow passage of large debris Comprehensive Pool & Spa Test Kit: Ensure
your pool, hot tub or spa is safe and balanced with this all-in-one testing kit. It checks for free and total chlorine, pH, acid/base demand, total alkalinity, calcium hardness, and cyanuric acid. DESIGNED & ENGINEERED IN USA: Comes with a 1-year warranty and USA-based customer service. USA-based business with over 20 years of experience in
building cordless handheld pool vacuums 7-IN-1 TEST STRIPS: Tests the most critical parameters: pH, Total Chlorine, Bromine, Alkalinity, Total Hardness, & Cyanuric Acid Have you ever wondered how much it really costs to keep your pool warm and inviting? You're not alone. Many pool owners face the dilemma of balancing comfort
 with budget when it comes to running a pool heater. Imagine hosting a summer barbecue, only to find your guests shivering in the chilly water. A reliable pool heater can make all the difference, but understanding the costs involved is key to making smart decisions. This article will break down the factors that affect pool heater expenses, helping you
make informed choices that keep your pool enjoyable without breaking the bank. Understand Heater Types: Choose between gas, electric resistance heaters based on your needs, budget, and climate conditions. Operating Costs Vary: Monthly operating costs can range from $30 to $800 depending on heater type and
pool size, with gas heaters generally being more expensive. Seasonal Usage Matters: Seasonal variations impact heating costs; adjusting usage and maintaining proper water temperature can lead to significant savings. Energy Efficiency Practices: Upgrade to energy-efficient equipment and implement smart practices, such as using solar covers and
regular maintenance, to reduce costs. Increased Property Value: A well-heated pool enhances overall comfort but also helps maintain balanced water chemistry and improved sanitation. Pool heaters enhance your
swimming experience by maintaining comfortable water temperatures. Understanding various heater types and their benefits helps you make informed decisions. Gas Heaters operate using natural gas or propane. They heat water quickly, making them ideal for pools that require immediate warmth. You can expect operational costs,
depending on local gas prices. Electric Heat Pumps Electric heat pumps absorb heat from the air and transfer it to the pool water. They work efficiently in moderate climates. While initial costs are higher, they offer lower long-term energy expenses. Solar Heaters Solar heaters utilize solar panels to capture sunlight and heat water. They're eco-
friendly and have low operating costs. However, installation and effectiveness depend on your geographical location and sunlight availability. Electric resistance Heaters Electric resistance heaters directly heat water using electric typices.
Extended Swimming Seasons Pool heaters allow you to swim comfortably during cooler months. This extension improves overall enjoyment and use of your pool. Increased Property's market value. Enhanced Comfort Maintaining a steady
temperature increases comfort for you and your quests. Enjoying warmer water can make a significant difference when swimming. Better Water promotes better circulation, leading to improved sanitation and clearer water. Consider several factors that impact the operating
costs of a pool heater. Understanding these elements helps manage expenses efficiently. Heater type plays a significant role in overall operation costs. Gas heaters, for example, heat water quickly but generally incur higher monthly expenses due to fluctuating fuel prices. Electric heat pumps are more energy-efficient and cost-effective in the long run,
especially in moderate climates. Solar heaters present minimal operational costs, as they harness sunlight, making them the most economical, but they depend on sunny weather. Pool size and usage directly affect heater operation costs. Larger pools require more energy to heat, leading to increased expenses. Frequent use also means the heater runs
more, raising costs. For instance, a 20,000-gallon pool may require a heater with higher BTUs than a smaller, 10,000-gallon pool. Energy source determines both efficiency and cost. Natural gas offers quick heating but fluctuates in
 budget, making it essential to assess your options. Understanding the average costs of running a pool heater helps you budget more effectively. The total expenses can vary based on several factors. Monthly operating costs primarily depend on the type of heater you use, your pool's size, and how often you swim. On average, your monthly bill for
 operating a pool heater can range from $100 to $800. Heater Type Average Monthly Cost Gas Heaters $200 - $400 Electric Heat Pumps $100 - $300 Solar Heaters $200 - $400 Electric Resistance $150 - $600 Gas heaters typically incur higher costs due to fuel prices. Electric heat pumps usually provide a more energy-efficient option, resulting in
 optimize seasonal efficiency, consider these tips: Monitor Temperature: Set your heater to maintain a comfortable temperature without overheating time and expenses. Schedule Usage: Heat the pool only when needed, such as during family gatherings or swim parties
 By considering your specific circumstances, you can take strategic actions that effectively manage the costs of running a pool heater. Improving your pool heater you maximize comfort while minimizing expenses. Select energy-efficient
programmable thermostats to optimize heating schedules. Set temperatures according to usage patterns to avoid unnecessary heating. Solar Pool Covers: Invest in solar covers to trap heat and reduce evaporation. This helps maintain temperature and saves on heating costs. Regular maintenance keeps your pool heater running efficiently. Follows
 these tips for best results: Inspect and Clean Filters: Clean filters monthly to ensure proper water flow and efficiency, Clogged filters force the heater to work harder. Check Water Chemistry: Maintain balanced water chemistry. Unbalanced water chemistry and efficiency, leading to higher costs. Clear Surrounding Areas: Keep
the area around the heater free of debris. Good airflow improves efficiency, as obstructions can cause overheating. Schedule Professional Maintenance: Consider yearly inspections by a professional. Routine checks catch issues before they lead to costly repairs or inefficient operation. Improving energy efficiency through equipment upgrades and
proper maintenance enhances your pool heating experience while lowering experience while lowering factors like heater type and pool usage you can make smart choices that fit your budget. Implementing energy-saving tips not
only enhances your comfort but also keeps those monthly bills in check. With a little planning and the right equipment you can create a warm oasis that's inviting all season long. Enjoy your pool and the benefits of a well-heated environment! The operational costs of a pool heater depend on several factors, including the type of heater (gas, electric
solar), pool size, frequency of use, and the energy source. Seasonal changes also play a role, impacting how much heater extends for running a pool heater extends for running f
your swimming season, increases property value, enhances comfort, and helps improve water quality by maintaining consistent water temperatures. Gas heaters are more energy-efficient but have different operational costs. Electric resistance heaters tend to have
 lower initial costs but can be less efficient long-term. To cut costs, consider upgrading to energy-efficient pumps, using solar pool covers to minimize evaporation, and regularly maintaining your heater. Regular filter cleaning and monitoring water chemistry also help improve efficiency. Installing utility lines ranges from $2,100, depending or
 the type. If you're installing a pool heater for the first time, you may need to run utility lines between the heater and your home's energy source. Potential costs include: Sas line installation: $500-$2,000 Electrical circuits: $250-$2,100-$1,900 Access to utilities also affects cost. Natural-gas lines are common in cities and suburbs, but rural properties
may need a propane tank or an electrical upgrade. Climate also guides the heater choice. Warm, sunny regions often benefit from solar models that run on free sunlight. Heat pumps are most efficient in most climates or
 winter conditions. Unlike heat pumps, which use ambient temperature to extract and transfer heat, gas and propane heaters use combustion to generate heat and warm the water directly. LaborHiring a local pool heater installer $500 to $1,000 for a standard job. Gas and propane models can take longer to set up, while heat-pump and electric units
are quicker to install. Replacing an old heater adds $25 to $50 for removal and disposal. Standard pool heaters can take more time to set up, so labor alone can reach $500 to $1,000 in labor. Solar pool heaters can take more time to set up, so labor alone can reach $500 to $1,000 in labor. Solar pool heaters can take more time to set up, so labor alone can reach $500 to $1,000 in labor. Solar pool heaters can take more time to set up, so labor alone can reach $500 to $1,000 in labor. Solar pool heaters can take more time to set up, so labor alone can reach $500 to $1,000 in labor. Solar pool heaters can take more time to set up, so labor alone can reach $500 to $1,000 in labor. Solar pool heaters can take more time to set up, so labor alone can reach $500 to $1,000 in labor. Solar pool heaters can take more time to set up, so labor alone can reach $500 to $1,000 in labor. Solar pool heaters can take more time to set up, so labor alone can reach $500 to $1,000 in labor. Solar pool heaters can take more time to set up, so labor alone can reach $500 to $1,000 in labor. Solar pool heaters can take more time to set up, so labor alone can reach $500 to $1,000 in labor. Solar pool heaters can take more time to set up, so labor alone can reach $500 to $1,000 in labor. Solar pool heaters can take more time to set up, so labor alone can reach $500 to $1,000 in labor. Solar pool heaters can take more time to set up, so labor alone can reach $500 to $1,000 in labor. Solar pool heaters can take more time to set up, so labor alone can reach $500 to $1,000 in labor. Solar pool heaters can take more time to set up, so labor alone can reach $500 to $1,000 in labor. Solar pool heaters can take more time to set up, so labor alone can reach $500 to $1,000 in labor. Solar pool heaters can take more time to set up, so labor alone can reach $500 to $1,000 in labor. Solar pool heaters can take more time to set up, so labor alone can reach take more time to set up, so labor alone can reach take more time to set up, so labor alone can r
plumbing, or other complex tasks may require hiring or subcontracting additional professionals. For example, qualified electricians cost $50 to $100 per hour. Permits Installing a pool heater may require certain permits, especially for significant modifications to plumbing, electrical, or gas systems
 Permit requirements and fees vary depending on the location and the installation specifics, but range from $100 to $500 on average. Add-On CostsSeveral add-ons can enhance your pool heater's efficiency and performance. Although they add to your upfront expenses, these extra features may translate to long-term cost savings. Consider these add-ons can enhance your pool heater's efficiency and performance.
ons:Pool cover: Ranging from $650 to $2,200, pool covers minimize heat loss and reduce heating costs by up to 90%. Solar blankets help retain pool heat but with solar energy. They cost between $50 and $500. Pool enclosure: At $5,000 to $14,000, mesh or glass pool enclosures are a significant upgrade, but they
can also trap heat in your pool. Pool Heater Installation Cost by TypeThe type of pool heater types vary in installation complexity and potential additional expenses, such as gas line installation complexity and potential additional expenses, such as gas line installation complexity and potential additional expenses, such as gas line installation complexity and potential additional expenses, such as gas line installation complexity and potential additional expenses, such as gas line installation complexity and potential additional expenses, such as gas line installation complexity and potential additional expenses.
cost to run? Here's some quick information to help you figure out how much it is costing you to heat your pool. Propane Pool Heaters You can figure about 1 gallon per hour. Currently Propane runs about $2.50 per gallon, propane prices
do fluctuate so keep an eye on this website updating the National Average Cost of Propane. In our example, 1 hour on propane will cost $10.00. Natural Gas Pool Heaters You can figure about 1 therm per hour. Currently Natural Gas runs about $1.00 in the strength of the National Average Cost of Propane. In our example, 1 hour on propane will cost $10.00 in the Natural Gas. For a typical 400,000 BTU pool heater, that's 4 therms per hour. Currently Natural Gas runs about $1.00 in the Natural Gas. For a typical 400,000 BTU pool heater, that's 4 therms per hour. Currently Natural Gas runs about $1.00 in the Natural Gas. For a typical 400,000 BTU pool heater, that's 4 therms per hour. Currently Natural Gas runs about $1.00 in the Natural Gas. For a typical 400,000 BTU pool heater, that's 4 therms per hour. Currently Natural Gas runs about $1.00 in the Natural Gas. For a typical 400,000 BTU pool heater, that's 4 therms per hour.
per therm, natural gas prices do fluctuate so keep an eye on this site showing the Cost of Natural Gas Per State. In our example, 1 hour on Natural Gas will cost $4.00. Heat pump. For a typical 100,000 BTU heat pump, that's 5 kilowatts per hour. The
 national average for Electricity runs $.13 cents per kilowatt hour. Electricity costs vary widely throughout the United States so checkout this website updating the Electricity runs $.13 cents per kilowatt hour. Electricity costs vary widely throughout the United States so checkout this website updating the Electricity runs $.10 cents per kilowatt hour. Electricity costs vary widely throughout the United States so checkout this website updating the Electricity runs $.10 cents. Final Thoughts - Pool Heater Cost... Normally Heat pumps are the least expensive option to
heat your pool from operational cost standpoint. If you live in an area where electricity is extremely expensive then Natural gas may become more enticing as the operational cost savings of a heat pump draws in the outside air
to heat your water so once the air temperature reaches 50 degrees they are pretty inefficient. A gas heater is usually a good choice for a spa as a heat pump is inefficient. Heat pumps cost about $2,500 and gas heaters are in the $1,500 range. If you have
questions on how much your pool heater is costing your to operate or need help sizing the correct heater for your questions in the comments below or give us a call at 1-877-372-6038 and we would be happy to help. For many pool owners, a heater seems like a luxury. Not only is there the initial expense of the heater itself, but also
 installation and operation costs to consider. However, you might miss out on months of poolside fun every year without a pool heater allows you to make the most of your swimming pool year-round, even when the weather starts to get
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higher initial cost than other types of heaters, but for many pool owners, they pay for themselves over time. Solar heaters convert energy from the sun into heat for your pool using solar panels without costing you a dime. Find out more about the cost of a solar pool heater in my cost breakdown article as well. They're also environmentally friendly, lower time.
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how to heat an above ground pool for more information. Advantages: Free to operate Eco-friendly and energy-efficient Don't require much maintenance Last up to 30 years Disadvantages: High installation costs Heats the water more slowly than other options Require light year-round Panels don't work well when facing north You can head to my solar
pool heater reviews for specific recommendations. BreakdownCostEquipment$2,000 to $6,500Labor$500 to $1,000Total$2,500 to $7,500 Heat pumps use a 220V electrical line and at least a 40 amp breaker to convert energy into heat. They're relatively expensive to purchase, but don't cost much to operate. Most heat pumps have a green, energy into heat.
efficient design that keeps energy usage and emissions low. Electric heat pumps are ideal for those who use their pool daily. If you prefer only to heat the water occasionally, a heat pump might not be the right choice for you. They heat the water occasionally, a heat pump might not be the right choice for you. They heat the water occasionally, a heat pump might not be the right choice for you.
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good choice for those who only swim occasionally and want the option to heat and cool their pool as needed, as propane offers complete control over temperature. While propane heaters might be cheaper upfront, it's important to remember that they cost more to operate than other options. Propane also poses more of a potential danger to your
 household than other energy sources if misused. Advantages: Fairly cheap to install Heats the water quickly Offers precise control over temperature Disadvantages: Expensive to operate More hazardous than other options Check out my complete comparison of electric vs. gas pool heaters for more similarities and differences and which you should
choose. I also wrote a guide on how pool heater swork if you're curious about the specific mechanisms of each heater type. Once you find the right pool heater for your pool, from removing old pool heating equipment to installing new hookups. If you already have a heater in your
pool, you must remove it before installing a new one. The cost of removing an old pool heater will average around $25 to $50, depending on the type of heater you have and how it fits into your pool setup. If you hire a professional, most will simply include removal in the overall installation cost. If you are unsure whether you need a new pool heater,
 read my guide on how long pool heaters last. If you don't already have existing utility hookups attached to your pool, you'll have to add some before installing your heaters need to connect to functioning panels. If you have to add hookups or switch to a
different utility line, it will add an average of around $300 to $1,700 to the final installation price. Installing new gas lines costs between $400 and $2,500. A new water line can run you anywhere from $300 to $2,000. As you can see, installation costs are a big portion of pool heater costs. So
 some pool owners save on installation expenses by installing a heater themselves. DIY installing a complex electric heat pump or gas heater unless you really know what you are doing. While the DIY route might seem prudent, keep in mind that it
 may cost you more in the long run. An improperly installed heater can cause all sorts of problems and can be potentially dangerous, especially if you improperly install a propane line. Often, it's best to leave the heater installation to the professionals. It costs most pool owners anywhere between $1,600 and $4,000 to install a new heater. On average,
you can expect to pay $2,800 to replace your old heater or install a brand-new one. But, obviously, this price varies drastically depending on the type of heater, the size, and the installation route you go for. The most expensive heater options upfront are heat pumps and solar heaters, which can cost up to $9,500 to purchase and install. However, it's
 important to remember that these heaters also tend to be cheaper to operate than other options. While gas and electric resistance heaters typically cost just $1,200 to $6,200 to install, their monthly operating expenses can add up over time. However, the cost difference may be worth it to someone looking to heat their pool quickly. The type of pool
 heater you choose isn't the only thing that can affect your heating bill's cost. There are several other factors to keep in mind that could potentially push you past your budget. Climate is one of the most important things to consider when looking at pool heaters. A high daily average temperature can save you on energy costs, whereas cold weather
 means less efficient heating. Heavy rain, high winds, and snow can make your heater work harder. If you live in a warm and sunny region, the sun will do most of the work for you in heating your pool, so you won't need to worry about warming the water as much. When it is 100 degrees outside, there is obviously no reason to turn your pool heater on
 So, most pool owners spend more money during the winter months to heat their pools. If you live somewhere cool year-round, you may also have to use your pool's size is a key consideration for heating efficiency. A
small or weak heater will take much longer to heat a large pool than a high-capacity heater. A general rule of thumb is to increase your pool holds. If you live in a cold climate, you may need to increase that to 100,000 BTU. Volume (gallons) Surface
Area (Sq. Ft)Heater Size (BTU)1,000-10,000Up to 300100,000-200,00010-300,0000-200,0001-300,0000-200,0001-300,0000-40,00050-800300,001-400,0000-40,00050-800300,001-400,0000-200,0001-300,0000-200,0001-300,0000-200,0001-300,0000-200,0001-300,0000-200,0001-300,0000-200,0001-300,0000-200,0001-300,0000-200,0001-300,0000-200,0001-300,0000-200,0001-300,0000-200,0001-300,0000-200,0001-300,0000-200,0001-300,0000-200,0001-300,0000-200,0001-300,0000-200,0001-300,0000-200,0001-300,0000-200,0001-300,0000-200,0001-300,0000-200,0001-300,0000-200,0001-300,0000-200,0001-300,0000-200,0001-300,0000-200,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300,0001-300
24/7, using a cover can help insulate the pool water and reduce your heating costs by up to 70%. By keeping it covered when it's not in use, you reduce both heat loss and evaporation. Pool covers are especially handy in colder climates. Installing a pool cover means more than just throwing a tarp over the water. An automatic cover costs around $650 covers are especially handy in colder climates.
to $2,200 to install, depending on your pool setup. You can also opt for a cheaper solar blanket, which will cost around just $70 to $400. This type of cover transfers heat from the sun to the water, lowering your overall energy consumption. If price is no object, you may want to build an enclosure for your pool. Doing so can cost anywhere from $4,000 to $400. This type of cover transfers heat from the sun to the water, lowering your overall energy consumption. If price is no object, you may want to build an enclosure for your pool.
to $50,000, but with this high cost comes some benefits. Enclosures prevent heat loss while protecting your pool from the elements. An enclosure will also keep your pool clean and make daily maintenance tasks easier. The price of utilities such as propane, gas, and electricity can vary from state to state and even between cities. Utility rates in your
area can significantly impact how much you have to pay to heat your pool. When choosing a heater, you may want to look into which utilities are cheapest and most easily accessible where you live. If you like to keep your pool at near-sauna temperatures, you'll need to expect your heating costs. High water temperatures require lots of energy,
especially during colder months. If you want to save on heating costs, you don't necessarily have to resign yourself to swimming in uncomfortable water. You can lower the temperature whenever the pool isn't in use to use less energy and thus save on your energy bill. It's important to factor operating costs into your monthly pool budget if you plan or
installing a heater. The cost of running a heater can vary greatly depending on what type of fuel source you use. Type of HeaterCost Per YearCost Per YearCost Per MonthSolar$0 to $10,200$200 to $850Natural Gas$1,400 to $4,800$200 to $4,800$200 to $400$200 to $400$200 to $400$200 to $4,800$200 to
 Installing a new pool heater isn't always cheap, but most people find the investment well worth it. You'll get twice as much use out of your inground pool over the year, rain or shine. With so many options, there's bound to be a pool heater that will fit your lifestyle and your budget. Still not sure how much a pool heater will cost you in total? Reach out
to me; I am happy to clear things up! Written by December 7, 2023Fact-checked by Tom GrupaA pool heater costs $1,600 to $5,200 installed on average, depending on the type, size, and if the pool is inground or above-ground. New swimming pool heater prices are $1,000 to $4,000+ for the unit, plus $500 to $1,500 for installation or replacement
labor.Pool heater cost - chartPool heater cost - chartPool heater type Average cost installed Natural gas / propane $1,500 - $6,000 Flectric resistance $1,200 - $6,000 Flectr
pool heater repair near you. The following table shows the average cost to install or replace a pool heater. Average cost to install or replace a pool heater repair near you. The following table shows the average cost to install or replace a pool heater repair near you. The following table shows the average cost to install or replace a pool heater. Average cost to install or replace a pool heater repair near you. The following table shows the average cost to install or replace a pool heater. Average cost to install or replace a pool heater. Average cost to install or replace a pool heater. Average cost to install or replace a pool heater. Average cost to install or replace a pool heater. Average cost to install or replace a pool heater. Average cost to install or replace a pool heater. Average cost to install or replace a pool heater. Average cost to install or replace a pool heater. Average cost to install or replace a pool heater. Average cost to install or replace a pool heater. Average cost to install or replace a pool heater. Average cost to install or replace a pool heater. Average cost to install or replace a pool heater. Average cost to install or replace a pool heater. Average cost to install or replace a pool heater. Average cost to install or replace a pool heater. Average cost to install or replace a pool heater. Average cost to install or replace a pool heater. Average cost to install or replace a pool heater. Average cost to install or replace a pool heater. Average cost to install or replace a pool heater. Average cost to install or replace a pool heater. Average cost to install or replace a pool heater. Average cost to install or replace a pool heater. Average cost to install or replace a pool heater. Average cost to install or replace a pool heater. Average cost to install or replace a pool heater. Average cost to install or replace a pool heater. Average cost to install or replace a pool heater. Average cost to install or replace a pool heater. Average cost to install or replace a pool heater.
and project costs reported by HomeGuide members. Costs to install a pool heater depend on the fuel source: Pool heater type Unit price Labor Total cost installed Natural gas/propane $1,000 - $3,000 $500 - $1,500 $1,500 - $4,500 Electric resistance $700 - $5,000 $500 - $1,000 $1,200 - $6,000 Heat pump $1,500 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,200 - $1,000 $1,000 $1,200 - $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 $1,000 
$5,000 $500 - $1,000 $2,000 - $6,000 Solar $2,000 - $6,000 Solar $2,000 - $6,000 Solar $2,000 - $6,500 Pool heater running during the winter quickly and operate at any air temperature, but are the least energy-efficient, cost $200 to
$500+ per month to run, and have the shortest lifespan. Gas heaters burn natural gas or propane in a combustion chamber to heat water as it passes through a series of copper coils. Be careful to vent a gas pool heater as far from the pool as possible. Gas fumes will collect and settle on top of the pool water, creating a dangerous risk for
swimmers. Pool heater installed on side of house 4 pool heat pump costs $2,000 to $6,000 with installation or $1,500 to $5,000 for the unit alone, depending on the size. Heat pump pool heaters extract heat from the air and transfer it
to the water. Solar pool heater cost $2,500 to $6,500 including labor or $2,000 to $5,000 for the system alone, depending on the size and number of collectors. A solar pool heater pump uses
 electricity to circulate the heated water, costing $10 to $25 per month. Some states offer rebates for solar pool heater costs $1,200 to $6,000 with installation or $700 to $5,000 for the heater alone. Electric resistance heaters use a large amount of
 electricity, costing $175 to $600 per month, making them more suitable for spas and small therapy pools. Electric heater size - Large pools or homes in cold climates require a larger pool heater, increasing the costs. Above
ground vs. inground pool - An inground pool typically needs a larger heater than an above-ground pool.Location & climate - Gas heaters are more popular in northern regions, while solar heater type. Permits - Installing roof-
 mounted collectors for a solar pool heater or running a new gas line for a gas pool heater requires a permit.Removal & disposing of the old heater. Saltwater pools use the same gas, heat pump, or solar pool heater a chlorine or bromine pool
 uses. Swimming pool heater prices by sizeThe recommended minimum pool heater size is 50,000 BTUs for every 5,000 to 10,000 gallons of water for mild climates and double that amount for cold climates. Select a larger size for gas pool heater prices by size Pool
 surface area (square feet) Volume (gallons) Heater size (BTUs) Average unit price* Up to 300 1,000 - 10,000 50,000 - 106,000 501 - 800 20,000 - 40,000 250,001 - 400,000 $2,300 - $3,600 801 - 1,200 40,000 - 80,000 400,000 + $3,000 - $5,000 *Not including
installation. Avoid buying a heater that is too small to heat the pool effectively. The pool will take longer to heat up, and the heater will be forced to work harder, causing added wear and tear or early system failure. Gas line for pool heater costRunning a gas line costs $12 to $25 per linear foot for a pool heater, including labor, materials, and permits
The total cost depends on the distance from the gas main to the pool heater line, increasing the cost. Pool heater plumbing and electrical work, depending on the heater type and the current plumbing setup: Installing
 plumbing pipes costs $300 to $600 to connect the pool heater to the existing water line. Installing a dedicated electrical circuit costs $1,300 to $2,400, including installation. Above-ground pools are typically smaller than inground
 pools and require a smaller heat pump or gas heater. Cheap pool heating options on the type, material, and whether it's manual or mechanized. Solar blankets cost $50 to $400, depending on the size and
snape. A solar planket is a large plastic pool cover with built-in thermal bubbles that capture and retain neat while reducing evaporation. Multiple solar rings are
required, depending on the pool size. Pool enclosure installation costs $4,000 to $14,000 on average, depending on the pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $50,000. Cost to run a pool heater is $200 to $200
heated pool costs $50 to $150 per month using a heat pump and $10 to $25 a month for solar. Operating costs depend on the climate, desired water temperature, utility rates, and the heater size and type. Cost to run a pool heater Heater type Cost per month Cost per year* Natural gas $200 - $4,000 Propane $250 - $1,000 $2,000 -
$8,000 Electric resistance $175 - $600 $1,400 - $4,800 Heat pump $50 - $150 $400 - $1,200 Solar $10 - $25 $80 - $200 *For an 8-month swimming season. Gas heaters are the most efficient when heating the pool for short periods of time, making them ideal for homeowners who use the pool only on weekends or infrequently. Electric resistance
heaters and heat pumps must run all the time. Heat pumps provide more cost savings for homeowners who use the pool frequently. A solar pool heater to an existing pool? Yes, you can add a heater to an existing pool. Installing a pool heater later typically
requires cutting into the plumbing to connect the heater to the pool's water circulation system. How long does it take to install a pool heater? Installing a pool heater? Installing a pool heater takes 1 to 2 days, depending on the heater type and whether the installation requires a new gas line or electrical circuit. Add two days if the heating unit must be mounted on
concrete.Can I install a pool heater myself?Installing your own pool heater saves $500 to $1,500 on labor costs and is a simple DIY project if the gas or electric hookups are already in place. Hire a pro install gas appliances. DIY solar pool heater installations
typically are not eligible for tax incentives or rebates. How long does a pool heater last? A pool heater last? A pool heater stypically have the shortest lifespan at 7 to 8 years. Heat pumps and solar heaters can last up to 15 years. How does a heated pool work? A pool heater last? A pool heater last incentives or rebates. How does a heated pool work? A pool heater last? A pool heat
draws cold water from the pool and circulates it through a heating tank before sending warm water back into the pool. Pool heaters work in vinyl, fiberglass, and concrete swimming pools to keep the water at a steady, comfortable temperature even when it's cold outside. The U.S. Water Fitness Association recommends a 78° to 82° F water
temperature for recreational swimming and at least 84° F for children under five years old or seniors with arthritis. Get free estimates from pool heater repair near you. Does a gas pool heater need electricity? A continuous pilot gas pool heater repair near you. To called a millivolt ignition system - does not need electricity. Some areas require gas heaters to have an
intermittent-ignition system, which requires electricity to turn the pilot light on when needed. Finding and hiring a pool heater installer near you, remember to: Get at least three estimates to compare. Look for licensed contractors with experience installing pool heater installers certified by the Association of
Pool & Spa Professionals (APSP). Browse their reviews on HomeGuide and Google. Select companies that are insured, bonded, and have been in business for 5+ years. When comparing quotes, confirm they include equipment of the same size and quality. Avoid selecting the lowest quote as quality may suffer. Get a detailed estimate, contract, and
warranty in writing before the work begins. Never pay in full before the installation starts. Use a payment plan instead for work completed. Ouestions to askAre you licensed, bonded, and insured? How many pool, eater the work begins. Never pay in full before the installation starts. Use a payment plan instead for work completed. Ouestions to askAre you licensed, bonded, and insured? How many pool heaters have you installed? Do you recommend a gas, heat pump, or solar water heater for my pool, and why? Which brand of pool heaters have you installed? Do you recommend a gas, heat pump, or solar water heater for my pool, and why? Which brand of pool heaters have you installed? Do you recommend a gas, heat pump, or solar water heater for my pool, and why? Which brand of pool heaters have you installed? Do you recommend a gas, heat pump, or solar water heater for my pool, and why? Which brand of pool heaters have you installed? Do you recommend a gas, heat pump, or solar water heater for my pool, and why? Which brand of pool heaters have you installed? Do you recommend a gas, heat pump, or solar water heater for my pool, and why? Which brand of pool heaters have you installed? Do you recommend a gas, heat pump, or solar water heater for my pool, and why? Which brand of pool heaters have you installed? Do you recommend a gas, heat pump, or solar water heater for my pool heaters have you installed?
you recommend?What heater BTU size is best for my pool?How warm should I keep my pool?How much more swimming season can I expect after the heater is installed?Are there any rebates available?How long will the installation take?How long will it take to heat my pool?What kind of
maintenance will the pool heater require?Do you offer a cleaning service for the pool heater?Do I still need to use a pool cover?Can you provide references from previous clients? (I first published this article in 2012, updated it in 2021 and 2022). Here's a common question I answer: "Mike, I'd
really like to use my heater more but I'm afraid of how much it will cost. How much does the gas cost to run my heater?" My answer is always the same: 'size matters, but...' The but is we can still figure a pretty reliable median number based on the numbers provided on my personal PG&E Energy Statement. The most common heater in residential
applications is 399,000 BTU's (British Thermal Units). We just refer to it as a 400,000 or 400. If you have a heater for your pool/spa in Northern California chances are it's a 400. Other sizes found are 350,000, 333, 275, 250 and 175. The larger the heater the more output and the faster you'll heat the body of water. Gas Math The tricky part of the
eguation is knowing how much you pay your local utility company per therm. I live in Folsom and our natural gas is provided by PG&E. I checked my bill and found that we pay $2.63 to $3.15 per therm in 2022, $1.36 per therm in 2021 and 92 cents in 2012) In addition, there is a 14.3 cents per therm surcharge for "PPP" (up
from 10 cents in 2022 and more than TRIPLE from 2020's 4 cents per therm surcharge). And, per my bill: Gas Public Purpose Programs for low-income customers, energy-efficiency programs, and public-interest research and development." My calculations come out to $2.89 average
per therm plus the $.143 surcharge equals a gas cost of $3.033 per therm, on average. A 100,000 BTU pool/spa heater is $12.13 per hour of natural gas per hour. So the magic number based on the most common 400,000 BTU pool/spa heater is $12.13 per hour on a specific number based on the most common 400,000 BTU pool/spa heater is $12.13 per hour of natural gas per hour.
average in gas cost to run your heater in 2025 (up from $9.72 per hour in 2022, $6.68 in 2021 and $5 per hour in 2012). Keep in mind, we're not talking about how long it takes but how much it costs. 'How long it takes but how much it costs. 'How long it takes but how much it costs.'
Gas cost in 2022: $9.72 per hour Gas cost in 2025: $12.13 per hour Sincerely, Mike the Poolman Pool Service & Repair in Folsom, California
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