## Continue



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I've got a 19 year-old Marquis 214 (a small two person 115v tub, aka "Rendezvous") hot tub, and it's not getting hot. Just warm. It's been working fine for over a month. I just cleaned the the plumbing with Ahhsome, drained, refilled, and now it won't get up to full temperature. Maybe running continuously (tub normally takes 18-20 hours to reach max
temp because of 115v) finally caused a problem. Tub is correctly set to 104 degrees, but is stalled out at 89, sometimes 88, sometimes 90, but around there. Digital readout says that, confirmed with in-tub thermometer. From looking around on some forums with similar problems, sounds like it could be: Temperature probe Hi temp cut out switch
(heater safety switch) Temperature sensor Thermal regulator I'm not even sure I have all these things or if they're the same thing. Well, I've got a sensor in the tub and a sensor in the tub and a sensor in the teater (see photo below). I guess my question is: can somebody point me toward how to troubleshoot/diagnose the sensors? Thanks! Do you have a multimeter?
Open the box and post a pic of the guts and wiring diagram. Are there any error codes on the display? Most likely is the pressure switch, top left on the heater. Unplug and test for continuity when pump is on. Test voltage between heater terminals. If it has a manual hi-limit it will be accessible from the outside of the box, look for a little button
through a hole or a rubber gromet on the side or back of the box. Post results. Reactions: Mdragger88 Thanks for the response. This is good info to keep in mind. I just ended up solving the problem: I had corrosion on the plug of the in-line temperature sensor after the heater. I was pulling off wires and one was coated in green copper corrosion, so I
hit it with some contact cleaner (DeOxit in my case), and sprayed the other connectors for good measure, and now it's getting up to full temp. Reactions: Methuselah, bradgray and Mdragger88 For an old tub it seems the acid test is a drain and refill. Mistakes can happen, and heat cycle from fill temperature to set point runs it up to a day. Glad you
found the problem! I noticed a label in you picture that your tub can run on 220v. Since you mentioned DeOxit, I'm suspecting you may be savvy enough to know the advantages of a 220v system... I did some searching and came up blank on this one. Odd question sorry if it is a repeat. merge if needed! What is the ideal temperature ratio relative to
outside temperature with wind that is optional to not feel cold swimming or just getting out of the water. I know everyone has a preference but I was thinking if the outside temps is say 80 degrees, would it make it seem colder on the swimmer if the pool was 82 and the
outside temp plus wind was 80, I am thinking the wind/breeze factor of the outside temps lower than the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool would make it feel "colder" than if the pool wo
early today and a couple of wobbly pops in the system. I think humidity is a huge factor. It can be cool getting out of a 90 degree pool with air temps of 100 while all the water is evaporating ... but once the water is gone obviously it gets hot and you want to get back in the pool. I think humidity is a huge factor. It can be cool getting out of a 90 degree
pool with air temps of 100 while all the water is evaporating ... but once the water is gone obviously it gets hot and you want to get back in the pool. Only a Tucsonite can put the water is evaporating ... but once the water is gone obviously it gets hot and you want to get back in the pool. Only a Tucsonite can put the water is evaporating ... but once the water is gone obviously it gets hot and you want to get back in the pool. Only a Tucsonite can put the water is evaporating ... but once the water is gone obviously it gets hot and you want to get back in the pool. Only a Tucsonite can put the water is evaporating ... but once the water is gone obviously it gets hot and you want to get back in the pool. Only a Tucsonite can put the water is evaporating ... but once the water is gone obviously it gets hot and you want to get back in the pool. Only a Tucsonite can put the water is gone obviously it gets hot and you want to get back in the pool. Only a Tucsonite can put the water is gone obviously it gets hot and you want to get back in the pool. Only a Tucsonite can put the water is gone obviously it gets hot and you want to get back in the pool. Only a Tucsonite can put the water is gone obviously it gets hot and you want to get back in the pool. Only a Tucsonite can put the water is gone obviously it gets hot and you want to get back in the pool.
in the afternoon it feels great. At 6, it feels cold. The outside temperature may only be two degrees cooler, but what a difference the sun makes. Same thing on a cloudy day. It's called solar load - cars with automatic AC systems have a solar sensor to factor that in. I find that the amount of sun affects the way it feels more than anything. According to
Accuweather on Sunday it was 75, I ran the heater and ended up at 88, sounds perfect. When the sun, even at 75 outside. Thanks for the input folks. I was really curious if it was better to keep the water just below or just above the outside temp so that it does not appear colder than
what it is. I think I'll try and aim for just at or below the temp plus wind/humidity conditions to keep it the most comfortable. I think if the water or just getting out it won't seem as chilly. Thinking around the 80 temps. I am not talking about 70 lol. 70 is cold. It depends on sun, wind and humidity for
me. Humidity and the dew point play the biggest factor in the temp you "feel". Along with wind on your damp skin, the evaporation is doing the same thing as your sweat = cool you down. 90 degrees and sunny? 80-84 feels great 80 degrees and cloudy/windy? 80-82 can be cold with the wind, 84-85 is better. 70 degrees, no wind, humid and sun down
early evening? 82-83 is AWESOME! Wife swimming laps? She prefers 79-81 to combat the core temp rise and sweating. We have found that 85 seems to be the ideal temperature for day swimming with little ones. If the sun is out, and it is warm, you even feel good getting out. For night swimming, it seems that 88-90 feels more comfortable as you will
get cold out of the water. The pool heated up to 92 during our last heat wave and was not refreshing at all during the day, at night it was a dream! 10-12-2011, 06:40 PM Location: Bellingham, WA 9,726 posts, read 17,118,439 times Reputation: 14898 Quote: Originally Posted by Froman3 To you, what is degree numbers are considered "Warm",
 "Cool", "Hot", "Cold", "Blazing", and "Frigid" on your body. Blazing: Above 95F Hot: 75F to 95F Warm: 55F to 75F Cool: 35F to 55F Cold: 15F to 35F Frigid: Below 15F Actually your numbers are pretty much exactly what I would have typed! 10-13-2011, 09:40 AM Location: Buxton, England 6,990 posts, read 11,685,569 times Reputation: 3672 A new
rating of temp categories from me, in degrees C: Below 0 Freezing 0 - 6 Very cold 6.1 - 12 Cold 12.1 - 26 Warm 26.1 - 32 Very warm 32.1 - 38 Hot 38 + Very hot 10-13-2011, 12:51 PM 25,108 posts, read 24,025,566 times Reputation: 15691 Scorching: 100 plus Blistering: 95 Hot: 90 Warm: 80 to 90 Nice: 70 to 80
 Pleasant: 60 to 70 Cool: 55 to 60 Chilly: 45 to 55 Cold: 35 to 45 Very Cold: 25 to 35 Freezing: 20 to 25 Frigid: 15 to 20 Arctic: 10 to 15 Polar: 0 to 10 Ice Age: below 0 10-13-2011, 01:28 PM Location: London, UK 2,688 posts, read 6,737,964 times Reputation: 1762 38°C+: Scorching - uncomfortably hot, especially given that those temperatures
usually occur with bone dry conditions. The only time where I actually enjoyed such a hot temp was in Delhi in August, when it was unusually humid. It felt great, though a little exhausting. 33-38°C: Hot - Perfect! My ideal range of daytime temps. 23-27°C:
Warm - enjoyable during night and mornings and occasionally during the day. That's our current daytime 18-23°C: Mild - alright for mornings, starting to get a little fresh for my liking. 13-18°C: Cool - getting uncomfortable, especially when it's during the day. That's our current daytime temps in Nice and it's a little fresh for my liking. 13-18°C: Cool - getting uncomfortable, especially when it's during the day. That's our current daytime temps in Nice and it's a little fresh for my liking. 13-18°C: Cool - getting uncomfortable, especially when it's during the day.
sun with no wind. 5-12°C: Very cool. 0-5°C: Cold -5 - 0°C: Very cool. 0-5°C: Cold -5 - 0°C: Very cold San Diego (Heraklion is 66F/18.9C and for San Diego it is 63.6F/17.6C. The coldest month in Heraklion averages 59.4F/15.2C for a high compared to 64.7F/18.2C for San Diego. However Heraklion
averages 50F/10C for a low then compared to 48.4F/9.1C for San Diego, probably in part due to Heraklion was 34.2F/1.2C compared to 25F/-4C for San Diego which averages 76.4F/24.7C for the
high. Heraklion averages 72.9F/22.7C for a low then compared to San Diego which averages 66.7F/19.3C. San Di
the winter. Heraklion receives 19.7"/500.6mm of rain, most of it falling during the winter. San Diego at 32N. 04-12-2016, 11:36 AM 3,212 posts, read 3,292,791 times Reputation: 1067 Quote: Originally
Posted by Majami Both are considered mediterranean climates, though Heraklion, Crete is the original home of the first Mediterranean civilization. You can find climates here -> San Diego (Heraklion, Crete is the original home of the first Mediterranean civilization. You can find climates here -> San Diego (Heraklion, Crete is the original home of the first Mediterranean civilization. You can find climates here -> San Diego (Heraklion, Crete is the original home of the first Mediterranean civilization. You can find climates here -> San Diego (Heraklion, Crete is the original home of the first Mediterranean civilization. You can find climates here -> San Diego (Heraklion, Crete is the original home of the first Mediterranean civilization. You can find climates here -> San Diego (Heraklion, Crete is the original home of the first Mediterranean civilization. You can find climates here -> San Diego (Heraklion, Crete is the original home of the first Mediterranean civilization. You can find climates here -> San Diego (Heraklion, Crete is the original home of the first Mediterranean civilization. You can find climates here -> San Diego (Heraklion, Crete is the original home of the first Mediterranean civilization. You can find climates here -> San Diego (Heraklion, Crete is the original home of the first Mediterranean civilization. You can find climate here -> San Diego (Heraklion, Crete is the original home of the first Mediterranean civilization. You can find climate here -> San Diego (Heraklion, Crete is the original home of the first Mediterranean civilization. You can find climate here -> San Diego (Heraklion, Crete is the original home of the first Mediterranean civilization. You can find climate here -> San Diego (Heraklion) (Heraklion of the original home of the first Mediterranean civilization. You can find climate here -> San Diego (Heraklion of the original home 
Heraklion averages 59.4F/15.2C for a high compared to 48.4F/9.1C for San Diego. The coldest temperature recorded in Heraklion was 34.2F/1.2C compared to 25F/-4C for San Diego. The coldest temperature recorded in Heraklion was 34.2F/1.2C for San Diego. The coldest temperature recorded in Heraklion was 34.2F/1.2C for San Diego. The coldest temperature recorded in Heraklion was 34.2F/1.2C for San Diego. The coldest temperature recorded in Heraklion was 34.2F/1.2C for San Diego. The coldest temperature recorded in Heraklion was 34.2F/1.2C for San Diego. The coldest temperature recorded in Heraklion was 34.2F/1.2C for San Diego. The coldest temperature recorded in Heraklion was 34.2F/1.2C for San Diego. The coldest temperature recorded in Heraklion was 34.2F/1.2C for San Diego. The coldest temperature recorded in Heraklion was 34.2F/1.2C for San Diego. The coldest temperature recorded in Heraklion was 34.2F/1.2C for San Diego. The coldest temperature recorded in Heraklion was 34.2F/1.2C for San Diego. The coldest temperature recorded in Heraklion was 34.2F/1.2C for San Diego. The coldest temperature recorded in Heraklion was 34.2F/1.2C for San Diego. The coldest temperature recorded in Heraklion was 34.2F/1.2C for San Diego. The coldest temperature recorded in Heraklion was 34.2F/1.2C for San Diego. The coldest temperature recorded in Heraklion was 34.2F/1.2C for San Diego. The coldest temperature recorded in Heraklion was 34.2F/1.2C for San Diego. The coldest temperature recorded in Heraklion was 34.2F/1.2C for San Diego. The coldest temperature recorded in Heraklion was 34.2F/1.2C for San Diego. The coldest temperature recorded in Heraklion was 34.2F/1.2C for San Diego. The coldest temperature recorded in Heraklion was 34.2F/1.2C for San Diego. The coldest temperature recorded in Heraklion was 34.2F/1.2C for San Diego. The coldest temperature recorded in Heraklion was 34.2F/1.2C for San Diego. The coldest temperature recorded in Heraklion was 34.2F/1.2C for San Diego. The coldest temperature recorded in Heraklion 
month in Heraklion averages 83.5F/28.6C compared to San Diego which averages 76.4F/24.7C for the high. Heraklion averages 76.4F/24.7C for the high which averages 76.4F/24.7C for the high which averages 76.4F/24.7C for the high. Heraklion averages 76.4F/24.7C for the high which averages
to San Diego's 3,054.6. Probably due to the fact Heraklion is an island and is thus quite cloudy during the winter. San Diego receives just 10.34"/262.6mm. In fact it barely qualifies as a mediterranean climate due to lack of rain. Finally Heraklion is at 35N and San Diego at
32N. I'll take Heraklion for the reliable warmer average summer temperatures both on land and SST without having to rely on our warm epoch (and hoping it will last). Winters are just slightly cooler than San Diego but the trade off is well worth it. 04-12-2016, 11:47 AM 892 posts, read 900,698 times Reputation: 352 Quote: Originally Posted by
ABrandNewWorld I'll take Heraklion for the reliable warmer average sea temperatures both on land and SST without having to rely on our warm epoch (and hoping it will last). Winters are just slightly cooler than San Diego but the trade off is well worth it. If you look at the average sea temperatures of Heraklion, they are about the same as
during your warm epoch interestingly enough. So basically (minus the average highs in the winter) Heraklion is San Diego during a warm epoch. 04-12-2016, 11:51 AM Location: In transition 10,634 posts, read 17,256,985 times Reputation: 5262 San Diego for being warmer in winter and drier. 04-12-2016, 11:57 AM 3,212 posts, read 3,292,791
times Reputation: 1067 Quote: Originally Posted by deneb78 San Diego for being warmer in winter to get a real summer? 04-12-2016, 11:58 AM Location: Munich, Germany 1,761 posts, read 1,758,732 times Reputation: 1203 The
Average Sea Temperature of these two are miles apart though Heraklion: San Diego are just bad 04-12-2016, 12:00 PM 892 posts, read 900,698 times Reputation: 352 Yes that's the hidden secret about San Diego so many tourists fail to understand, the Pacific is cold, end of
story. 04-12-2016, 12:10 PM 55 posts, read 41,995 times Reputation: 5262 Quote: Originally Posted by ABrandNewWorld If you had to put up with a summer like 2010 as
the norm, would you "sacrifice" a few degrees in winter to get a real summer? It would be a tougher decision then. Even as it is, it's not like San Diego won by a landslide for me. It's only a little better than Heraklion IMO 04-12-2016, 01:14 PM Location: Bologna, Italy 7,535 posts, read 6,618,450 times Reputation: 3809 I looked at San Diego chart
and thought "what, do they actually have a 28c average high in July ??" and then I saw there was a line for average high and another for mean maximum, and it is very confusing. I'd still take Heraklion for the warmer summers and overall less boring climate. Please register to post and access all features of our very popular forum. It is free and quick.
Over $68,000 in prizes has already been given out to active posters on our forum. Additional giveaways are planned. Detailed information about all U.S. cities, counties, and zip codes on our site: City-data.com. 08-20-2024, 05:59 AM 148 posts, read 248,359 times Reputation: 50 Quote: Originally Posted by amyers3 Raising Canes coming to
Columbus Park Crossing Do you have any updates on this? (There isn't any mention of a new Columbus location on the company's website or FB page) 08-20-2024, 06:43 AM 490 posts, read 579,428 times Reputation: 158 They've probably just signed a letter of intent. Once the lease is signed is usually when they would make an announcement. 08-20-2024, 06:43 AM 490 posts, read 579,428 times Reputation:
22-2024, 08:10 AM Location: Columbus, GA 981 posts, read 1,152,634 times Reputation: 260 Quote: Originally Posted by amyers3 Second Tim Hortons being built in Midland to the left of the shops behind
mcdonald's but they just put up their sign and it appears to be where the animal hospital is moving. 08-22-2024, 08:54 AM Location: Columbus, GA 1,452 posts, read 2,034,774 times Reputation: 269 Quote: Originally Posted by DWColumbus Is this still planned? I initially you were referring to the building that was being constructed to the left of the
shops behind mcdonald's but they just put up their sign and it appears to be where the animal hospital is moving. I believe it was up to be rezoned 08-23-2024, 07:44 AM 1 posts, read 837 times Reputation: 10 What is being built on Williams Road (behind the new complex with the liquor store and bar?) 08-23-2024, 08:50 AM 230 posts, read
259,199 times Reputation: 94 Quote: Originally Posted by Tg2019 What is being built on Williams Road (behind the new complex with the liquor store and bar?) Is this behind the gas stations also at the end of Williams intersecting with Whitesville? I think a walmart grocery store would fit perfectly there! 08-23-2024, 09:32 AM Location: Columbus,
GA 1,452 posts, read 2,034,774 times Reputation: 269 Quote: Originally Posted by Tg2019 What is being built on Williams Road (behind the new complex with the liquor store and bar?) More storage units 09-22-2024, 11:53 AM 490 posts, read 579,428 times Reputation: 158 The rapids commercial spaces are full now I think. Morten is building a
restaurant in the riverfront space, a coffee shop is going in and a medical provider. Finally seeing some movement. Hopefully the spaces in the currents fronting broadway will also get filled soon. 09-23-2024, 08:58 AM Location: Columbus, GA 1,452 posts, read 2,034,774 times Reputation: 269 Quote: Originally Posted by Sonofagun112 The rapids
commercial spaces are full now I think. Morten is building a restaurant in the riverfront space, a coffee shop is going in and a medical provider. Finally seeing some movement. Hopefully the spaces in the currents fronting broadway will also get filled soon. Do we know what medical provider? 09-23-2024, 09:55 AM 490 posts, read 579,428 times
Reputation: 158 I don't. Sorry. Please register to post and access all features of our very popular forum. It is free and quick. Over $68,000 in prizes has already been given out to active posters on our forum. Additional giveaways are planned. Detailed information about all U.S. cities, counties, and zip codes on our site: City-data.com. Page 2 09-23-
2024, 04:31 PM 1,532 posts, read 1,646,000 times Reputation: 3231 Is there any of the old Tom's foods plant still operating? A very small part. 09-30-2024, 01:37 PM Location:
Columbus, GA 1,452 posts, read 2,034,774 times Reputation: 269 New dollar tree coming to Woodruff Road & Warm Springs Road Rosemont Shopping Center 09-30-2024, 04:30 PM 30 posts, read 13,785 times Reputation: 68 Yea! Yet another Dollar Tree where nothing's a dollar anymore. I thought DT's across-the-board 25% increase was a bit
much, but I don't blame DT for charging whatever their customers are willing to pay. 10-01-2024, 02:13 PM Location: Atlanta Metro 1,127 posts, read 1,689,427 times Reputation: 332 Yeah- funny enough they changed their name from "everything on dollar" to "dollar tree" to prevent from staying within that bracket 10-08-2024, 10:41 AM 230
posts, read 259,199 times Reputation: 94 I walked passed the rapids and the commercial properties that are next to Trevioli's are being worked on. Concrete floors are being worked on. Concrete floors are being worked on. Concrete floors are being laid in all 3 spaces. 10-08-2024, 01:49 PM Location: Columbus, GA 1,452 posts, read 2,034,774 times Reputation: 269 Quote: Originally Posted by Jamesjb131 I walked passed
the rapids and the commercial properties that are next to Trevioli's are being worked on. Concrete floors are being laid in all 3 spaces. Yes - Mustard Seed Cafe, Toxcology and a new resturant from another Columbus restaurateur closest to the river 10-10-2024, 10:24 PM 2,278 posts, read 2,387,601 times Reputation: 806 homegoods grand opening
on the 30th of this month! 10-23-2024, 06:34 PM 30 posts, read 13,785 times Reputation: 68 Quote: Originally Posted by amyers3 Yes - Mustard Seed Cafe, Toxcology and a new resturant from another Columbus restaurateur closest to the river Any projected opening dates on these? 11-04-2024, 05:04 PM 230 posts, read 259,199 times Reputation
94 Picture of the diverging diamond at the Bradley Park interchange picture! Please register to post and access all features of our very popular forum. It is free and quick. Over $68,000 in prizes has already been given out to active posters on our forum. Additional giveaways are planned. Detailed information about all U.S. cities, counties, and zip
codes on our site: City-data.com. Page 3 12-03-2024, 10:00 AM 230 posts, read 259,199 times Reputation: 94 Is there any projects to look forward to in 2025? 12-04-2024, 02:25 PM Location: Atlanta Metro 1,127 posts, read 1,689,427 times Reputation: 332 Quote: Originally Posted by Jamesjb131 Is there any projects to look forward to in 2025?
Hopefully continued efforts to the Synovus/ South Commons and whatever tech brings in 12-04-2024, 09:37 PM Location: Columbus, GA 1,452 posts, read 2,034,774 times Reputation: 84 Quote: Originally
Posted by Atlanta-Kid Hopefully continued efforts to the Synovus/ South Commons and whatever tech brings in I really hope that moves full steam ahead for sure. And tech is going to make its wave in a big way. Payments is already thriving here and that's what my
startups product fall under...FinTech. 12-07-2024, 09:37 AM 240 posts, read 204,059 times Reputation: 84 Quote: Originally Posted by amyers3 Starbucks is opening a location on Victory Drive in the old Sonic building. Nice!! Following that a Cfa will pop up for sure. And that new exit coming off Old Cusseta Rd which will open up more economic
opportunities. 12-08-2024, 03:51 PM Location: Atlanta Metro 1,127 posts, read 1,689,427 times Reputation: 332 Quote: Originally Posted by KingOfTheCity I really hope that moves full steam ahead for sure. That'll be another city hot spot in addition to the Downtown/Uptown area for sure. And tech is going to make its wave in a big way. Payments is
 already thriving here and that's what my startups product fall under...FinTech. Okay I've been hearing a lot about Fintech- I'm going to look into that-- Georgia is definitely taking the crown in tech down here. 12-08-2024, 06:25 PM 2,278 posts, read 2,387,601 times Reputation: 806 Quote: Originally Posted by amyers3 Starbucks is opening a
location on Victory Drive in the old Sonic building. that's a good sign for more to come. 12-09-2024, 10:15 AM 240 posts, read 204,059 times Reputation: 84 Quote: Originally Posted by Atlanta-Kid Okay I've been hearing a lot about Fintech- I'm going to look into that-- Georgia is definitely taking the crown in tech down here. Yessir, my team is all
remote right now, but we do have plans to open an office space sometime 2025 and expand the team by 50-100 people all starting with local talent and bringing attention to the tech ecosystem here. 12-09-2024, 10:54 AM 73 posts, read 94,392 times Reputation: 54 Quote: Originally Posted by amyers Yes - Mustard Seed Cafe, Toxcology and a new
resturant from another Columbus restaurateur closest to the river I contacted the people at Mustard Seed Cafe in Carrollton, and they said that they are not opening another cafe... Attached Thumbnails 12-09-2024, 11:15 AM Location: Columbus, GA 1,452 posts, read 2,034,774 times Reputation: 269 Not the same Mustard Seed Cafe. It's this one,
 Please register to post and access all features of our very popular forum. It is free and quick. Over $68,000 in prizes has already been given out to active posters on our site: City-data.com. Page 4 12-11-2024, 02:18 PM 240 posts, read
204,423 times Reputation: 84 Is there an opening date that's been announced internally? 12-12-2024, 12:41 PM 490 posts, read 579,590 times Reputation: 84 Quote: Originally Posted by Sonofagun112 Kids Empire
going in the old Kinnucans space at the landings. Nice, perfect entertainment option for the kiddos! I always wanted them to get something back over in that area since Monkey Joes (inflatable bounce houses everywhere inside) closed down. It was a joy growing up as a kid. 12-16-2024, 10:50 AM Location: Columbus, GA 1,452 posts, read 2,035,133
times Reputation: 269 Permits have been pulled for the new Bradley Park Chick-fil-A where O Charley's is currently. 12-16-2024, 11:49 AM 490 posts, read 579,590 times Reputation: 158 Is it going to be a Truett's? I heard that was a possibility. Also, what are they doing with the current building? Also, what are they doing with the current building?
12-16-2024, 12:39 PM Location: Columbus, GA 981 posts, read 1,153,078 times Reputation: 260 Quote: Originally Posted by amyers3 Permits have been pulled for the new Bradley Park Chick-Fil-A moving over 1 space? Maybe I'm misunderstanding but
 that would seem like an odd thing to do. 12-16-2024, 01:14 PM Location: Columbus, GA 1,452 posts, read 2,035,133 times Reputation: 269 Quote: Originally Posted by DWColumbus Whoa, I didn't even know O'Charley's had closed. So is Chick-Fil-A moving over 1 space? Maybe I'm misunderstanding but that would seem like an odd thing to do. Yes -
how it ends up! The building will be around 1,500 sq/ft larger than the current building. 12-16-2024, 01:34 PM Location: Atlanta 95 posts, read 65,706 times Reputation: 261 Quote: Originally Posted by amyers3 Yes - this unit far exeeds the average unit revenue, and needs more space to operate. They have a ground lease, I assume, with owner of O
Charleys building, and they're going to move over there. This lot is about half an acre larger, I assume they'll also have to navigate that Whitesley ends directly in their front yard. We'll see how it ends up! The building will be around 1,500 sq/ft larger than the current building. So will they raze the existing building? 12-
17-2024, 06:55 AM 351 posts, read 313,684 times Reputation: 240 Quote: Originally Posted by amyers3 Yes - this unit far exeeds the average unit revenue, and they're going to move over there. This lot is about half an acre larger, I assume
 they'll assume of that lot too - they'll also have to navigate that Whitesley ends directly in their front yard. We'll see how it ends up! The building will be around 1,500 sq/ft larger than the current building. CFA has been expanding. rebuilding will be around 1,500 sq/ft larger than the current building will be around 1,500 sq/ft larger than the current building.
 capacity of the drive thru, and to accommodate more online and delivery orders. 12-17-2024, 10:33 AM 240 posts, read 204,423 times Reputation: 84 Quote: Originally Posted by KSM0984 So will they raze the existing building? That's what I'm thinking as well. It would make sense to make this like the other concept store that has the two levels with
the drive thru coming through the building. Please register to post and access all features of our very popular forum. It is free and quick. Over $68,000 in prizes has already been given out to active posters on our forum. Additional giveaways are planned. Detailed information about all U.S. cities, counties, and zip codes on our site: City-data.com
 Page 5 12-19-2024, 06:22 PM Location: Columbus, GA 1,452 posts, read 2,036,533 times Reputation: 269 Well, guys... The time has come. We're getting a Dave and Buster's at Columbus Park on the parcel next to new Sons Chevy. Big win for Columbus! 12-19-2024, 06:49 PM 2,279 posts, read 2,389,351 times Reputation: 811 Quote: Originally
 Posted by amyers Well, guys... The time has come. We're getting a Dave and Buster's at Columbus Park on the parcel next to new Sons Chevy. Big win for Columbus! Good news! 12-19-2024, 07:12 PM Location: Atlanta 96 posts, read 65,860 times Reputation: 261 Quote: Originally Posted by amyers Well, guys... The time has come. We're getting a Dave and Buster's at Columbus! Good news! 12-19-2024, 07:12 PM Location: Atlanta 96 posts, read 65,860 times Reputation: 261 Quote: Originally Posted by amyers Well, guys... The time has come. We're getting a Dave and Buster's at Columbus! Good news! 12-19-2024, 07:12 PM Location: Atlanta 96 posts, read 65,860 times Reputation: 261 Quote: Originally Posted by amyers Well, guys... The time has come. We're getting a Dave and Buster's at Columbus! Good news! 12-19-2024, 07:12 PM Location: Atlanta 96 posts, read 65,860 times Reputation: 261 Quote: Originally Posted by amyers Well, guys... The time has come. We're getting a Dave and Buster's at Columbus! Good news! 12-19-2024, 07:12 PM Location: Atlanta 96 posts, read 65,860 times Reputation: 261 Quote: Originally Posted by amyers Well, guys... The time has come. We're getting a Dave and Buster's at Columbus! The time has come at Columbus! The
Dave and Buster's at Columbus Park on the parcel next to new Sons Chevy. Big win for Columbus! Nice addition. What else is planned there? 12-19-2024, 08:42 PM 240 posts, read 204,798 times Reputation: 84 Quote: Originally Posted by amyers3 Well, guys... The time has come. We're getting a Dave and Buster's at Columbus Park on the parcel
next to new Sons Chevy. Big win for Columbus! Awesome, from the site plan I saw a Raising Canes and Jim N Nicks BBQ is also planned for the development. 12-19-2024, 10:46 PM Location: Columbus, GA 981 posts, read 1,153,828 times Reputation: 260 Quote: Originally Posted by amyers3 Well, guys... The time has come. We're getting a Dave and
 Buster's at Columbus Park on the parcel next to new Sons Chevy. Big win for Columbus! Awesome I'm glad to hear we are getting something we've wanted instead of news of another closing. 12-20-2024, 09:10 AM 34 posts, read 14,263 times Reputation: 68 Quote: Originally Posted by KingOfTheCity Awesome, from the site plan I saw a Raising
Canes and Jim N Nicks BBQ is also planned for the development. Dave & Busters, plus these additional newcomers, are great news, indeed! On a side Columbus note, voting daily until then! Our museum's standing was looking great, but they're
no longer showing the rankings in real time. THANK YOU! 12-20-2024, 09:58 AM 230 posts, read 259,413 times Reputation: 94 Quote: Originally Posted by amyers3 Well, guys... The time has come. We're getting a Dave and Buster's at Columbus Park on the parcel next to new Sons Chevy. Big win for Columbus! WHAAAAA really? Cant wait! 12-20-
2024, 10:48 AM 490 posts, read 580,153 times Reputation: 158 Anyone know what is getting built next to KIA? Looks like a restaurant pad going in. 12-22-2024, 02:16 PM Location: Columbus, GA 1,452 posts, read 2,036,533 times Reputation: 269 Quote: Originally Posted by Sonofagun112 Anyone know what is getting built next to KIA? Looks like
a restaurant pad going in. I believe it's an additional service area for KIA. Either way - it's someting KIA 12-22-2024, 03:34 PM Location: Atlanta 96 posts, read 65,860 times Reputation: 261 Believe Tru by Hilton is coming to Old Town. Will be down next week. Excited to see the changes. Please register to post and access all features of our very
popular forum. It is free and quick. Over $68,000 in prizes has already been given out to active posters on our forum. Additional giveaways are planned. Detailed information about all U.S. cities, counties, and zip codes on our site: City-data.com. Page 6 12-22-2024, 05:59 PM 490 posts, read 583,492 times Reputation: 158 Sewer lines are going in
 Excited to see the changes. Nice, I wonder will they construct it at the entrance on Veterans where Jacks is at. But on the other lot that would be towards your left after turning in. 12-23-2024, 09:26 AM 57 posts, read 56,360 times Reputation: 36 Quote: Originally Posted by amyers Well, guys... The time has come. We're getting a Dave and Buster's
at Columbus Park on the parcel next to new Sons Chevy. Big win for Columbus! Source for this information? Did you find plans somewhere? 12-23-2024, 12:31 PM Location: Columbus, GA 1,452 posts, read 2,044,859 times Reputation: 269 Quote: Originally Posted by KingOfTheCity Nice, I wonder will they construct it at the entrance on Veterans
where Jacks is at. But on the other lot that would be towards your left after turning in. Yes tru by hilton 12-23-2024, 12:37 PM Location: Columbus, GA 1,452 posts, read 2,044,859 times Reputation: 269 Quote: Originally Posted by Columbus, GA 1,452 posts, read 2,044,859 times Reputation: 269 Quote: Originally Posted by Columbus, GA 1,452 posts, read 2,044,859 times Reputation: 269 Quote: Originally Posted by Columbus, GA 1,452 posts, read 2,044,859 times Reputation: 269 Quote: Originally Posted by Columbus, GA 1,452 posts, read 2,044,859 times Reputation: 269 Quote: Originally Posted by Columbus, GA 1,452 posts, read 2,044,859 times Reputation: 269 Quote: Originally Posted by Columbus, GA 1,452 posts, read 2,044,859 times Reputation: 269 Quote: Originally Posted by Columbus, GA 1,452 posts, read 2,044,859 times Reputation: 269 Quote: Originally Posted by Columbus, GA 1,452 posts, read 2,044,859 times Reputation: 269 Quote: Originally Posted by Columbus, GA 1,452 posts, read 2,044,859 times Reputation: 269 Quote: Originally Posted by Columbus, GA 1,452 posts, read 2,044,859 times Reputation: 269 Quote: Originally Posted by Columbus, GA 1,452 posts, read 2,044,859 times Reputation: 269 Quote: Originally Posted by Columbus, GA 1,452 posts, read 2,044,859 times Reputation: 269 Quote: Originally Posted by Columbus, GA 1,452 posts, read 2,044,859 times Reputation: 269 Quote: Originally Posted by Columbus, GA 1,452 posts, read 2,044,859 times Reputation: 269 Quote: Originally Posted by Columbus, GA 1,452 posts, read 2,044,859 times Reputation: 269 Quote: Originally Posted by Columbus, GA 1,452 posts, read 2,044,859 times Reputation: 269 Quote: Originally Posted by Columbus, GA 1,452 posts, read 2,044,859 times Reputation: 269 Quote: Originally Posted by Columbus, GA 1,452 posts, read 2,044,859 times Reputation: 269 Quote: Originally Posted by Columbus, GA 1,452 posts, read 2,044,859 times Reputation: 269 Quote: Originally Posted by Columbus, GA 1,452 posts, read 2,044,859 times Reputation: 269 Quote: Originally Posted
12-23-2024, 01:29 PM 240 posts, read 208,559 times Reputation: 84 Quote: Originally Posted by amyers3 Yes tru by hilton Nice!! That hotel will fill in really nice on North Veterans. 12-23-2024, 02:26 PM 490 posts, read 583,492 times Reputation: 158 Quote: Originally Posted by amyers3 Building permits were pulled last week. So is it going across yes tru by hilton Nice!! That hotel will fill in really nice on North Veterans. 12-23-2024, 02:26 PM 490 posts, read 583,492 times Reputation: 158 Quote: Originally Posted by amyers3 Building permits were pulled last week. So is it going across yes tru by hilton Nice!! That hotel will fill in really nice on North Veterans. 12-23-2024, 02:26 PM 490 posts, read 583,492 times Reputation: 158 Quote: Originally Posted by amyers3 Building permits were pulled last week. So is it going across yes true by hilton Nice!! That hotel will fill in really nice on North Veterans. 12-23-2024, 02:26 PM 490 posts, read 583,492 times Reputation: 158 Quote: Originally Posted by amyers3 Building permits were pulled last week. So is it going across yes true by hilton Nice!! That hotel will fill in really nice on North Veterans. 12-23-2024, 02:26 PM 490 posts, read 583,492 times Reputation: 158 Quote: Originally Posted by amyers3 Building permits were pulled last week. So is it going across yes true by hilton Nice!! That hotel will be a supplied to the properties of the proper
from Jacks? 12-23-2024, 07:19 PM 57 posts, read 56,360 times Reputation: 36 Quote: Originally Posted by amyers3 Building permits were pulled last week. is this something that is public information that can be found somewhere? 12-23-2024, 08:06 PM 490 posts, read 583,492 times Reputation: 158 Quote: Originally Posted by Columbus GaRaised
is this something that is public information that can be found somewhere? Most of the information on this forum is not public. Amyers gives us the inside scoop. 12-23-2024, 09:37 PM 57 posts, read 56,360 times Reputation: 36 Quote: Originally Posted by Sonofagun112 Most of the information on this forum is not public. Amyers gives us the inside
scoop. I see. Thanks Please register to post and access all features of our very popular forum. It is free and quick. Over $68,000 in prizes has already been given out to active posters on our site: City-data.com. Page 7 12-24-2024, 04:42
PM 250 posts, read 220,745 times Reputation: 84 Quote: Originally Posted by Sonofagun112 Most of the information on this forum is not public. Amyers gives us the inside scoop. Definitely! I'm thinking about starting up an online blog or IG page that will solely bring attention to all the new development projects that happen here. Similar to Curbed
Atlanta before they shut down... "Urban Columbus" maybe. 12-24-2024, 05:28 PM 493 posts, read 594,646 times Reputation: 158 Quote: Originally Posted by KingOfTheCity Definitely! I'm thinking about starting up an online blog or IG page that will solely bring attention to all the new development projects that happen here. Similar to Curbed
Atlanta before they shut down... "Urban Columbus" maybe. That would be great! 12-25-2024, 09:59 AM Location: Atlanta Metro 1,133 posts, read 1,720,894 times Reputation: 335 Quote: Originally Posted by KingOfTheCity Definitely! I'm thinking about starting up an online blog or IG page that will solely bring attention to all the new development
projects that happen here. Similar to Curbed Atlanta before they shut down... "Urban Columbus" maybe. Please let us know when you do I'll want to call a with you for sure!!! 12-25-2024, 12:45 PM 2,290 posts, read 2,438,020 times Reputation: 813 Fetch Park shutting down for good on December 29th. I hope Chris woodruff think about merging
 midcity yard with highside market in the future. 12-26-2024, 04:57 AM 250 posts, read 220,745 times Reputation: 84 Quote: Originally Posted by Atlanta-Kid Please let us know when you do I'll want to call a with you for sure!!! Absolutely, would love to work with like minded enthusiasts on this! 12-27-2024, 08:42 AM Location: Columbus, GA 1,455 and 1,455 are let us know when you do I'll want to call a with you for sure!!! Absolutely, would love to work with like minded enthusiasts on this! 12-27-2024, 08:42 AM Location: Columbus, GA 1,455 are let us know when you do I'll want to call a with you for sure!!! Absolutely, would love to work with like minded enthusiasts on this! 12-27-2024, 08:42 AM Location: Columbus, GA 1,455 are let us know when you do I'll want to call a with you for sure!!! Absolutely, would love to work with like minded enthusiasts on this! 12-27-2024, 08:42 AM Location: Columbus, GA 1,455 are let us know when you do I'll want to call a with you for sure!!! Absolutely, would love to work with like minded enthusiasts on this! 12-27-2024, 08:42 AM Location: Columbus, GA 1,455 are let us know when you do I'll want to call a with you for sure!!! Absolutely, would love to work with like minded enthusiasts on this! 12-27-2024, 08:42 AM Location: Columbus, GA 1,455 are let us know when you do I'll want to call a with you for sure!!! Absolutely would be a sure let us know when you do I'll want to call a with you for sure!!! Absolutely would be a sure let us know when you do I'll want to call a with you for sure!!! Absolutely would be a sure let us know when you do I'll want to call a with you for sure!!! Absolutely would be a sure let us know when you do I'll want to call a with you for sure!!! Absolutely would be a sure let us know when you do I'll want to call a with you for sure!!! Absolutely would be a sure let us know when you do I'll want to call a with you for sure let us know when you do I'll want to call a with you for sure let us know when you do I'll want to call a with you for sure let us k
 posts, read 2,072,579 times Reputation: 269 Quote: Originally Posted by Sonofagun112 So is it going across from Jacks? hotel will open in 2026, the building permits were pulled for Dave & Busters building 12-27-2024, 01:11 PM Location: Atlanta Metro 1,133 posts, read 1,720,894 times Reputation: 335 Quote: Originally Posted by KingOfTheCity
 Absolutely, would love to work with like minded enthusiasts on this! Great! And I'll be more than happy to help with any drone stock footage of Columbus Just Message Me Anytime! 12-27-2024, 05:35 PM 250 posts, read 220,745 times Reputation: 84 Quote: Originally Posted by Atlanta-Kid Great! And I'll be more than happy to help with any drone stock footage of Columbus Just Message Me Anytime! 12-27-2024, 05:35 PM 250 posts, read 220,745 times Reputation: 84 Quote: Originally Posted by Atlanta-Kid Great! And I'll be more than happy to help with any drone stock footage of Columbus Just Message Me Anytime! 12-27-2024, 05:35 PM 250 posts, read 220,745 times Reputation: 84 Quote: Originally Posted by Atlanta-Kid Great! And I'll be more than happy to help with any drone stock footage of Columbus Just Message Me Anytime! 12-27-2024, 05:35 PM 250 posts, read 220,745 times Reputation: 84 Quote: Originally Posted by Atlanta-Kid Great! And I'll be more than happy to help with any drone stock footage of Columbus Just Message Me Anytime! 12-27-2024, 05:35 PM 250 posts, read 220,745 times Reputation: 84 Quote: Originally Posted by Atlanta-Kid Great! And I'll be more than happy to help with any drone stock footage of Columbus Just Message Messa
stock footage of Columbus Just Message Me Anytime! For sure! I want to work with you on this, we can do great things with Urban Columbus. Also for those of you that are on Instagram, I have a page going for the brand. It's @urban.columbus, follow and share please, would greatly appreciate it. 12-29-2024, 01:32 PM Location: Atlanta Metro 1,133
posts, read 1,720,894 times Reputation: 335 Quote: Originally Posted by KingOfTheCity For sure! I want to work with you on this, we can do great things with Urban Columbus. Also for those of you that are on Instagram, I have a page going for the brand. It's @urban.columbus, follow and share please, would greatly appreciate it. Just Followed You!
 I'm brightbill- I mainly cover Atlanta and run off to the other major cities in Georgia from time to time 12-29-2024, 02:28 PM 250 posts, read 220,745 times Reputation: 84 Quote: Originally Posted by Atlanta-Kid Just Followed You! I'm brightbill- I mainly cover Atlanta and run off to the other major cities in Georgia from time to time Nice, appreciate
it! About to message you on there shortly. Please register to post and access all features of our very popular forum. It is free and quick. Over $68,000 in prizes has already been given out to active posters on our forum. Additional giveaways are planned. Detailed information about all U.S. cities, counties, and zip codes on our site: City-data.com. Page
8 12-29-2024, 04:38 PM Location: Atlanta 106 posts, read 77,089 times Reputation: 286 Heard this was coming to the old Fazolis's location. We have several here in Atlanta 106 posts, read 597,118 times Reputation: 158 Quote: Originally Posted by KSM0984 Heard this was coming to the old Fazolis's location. We have
 several here in Atlanta. They have a coming soon sign up. 12-31-2024, 06:24 PM 494 posts, read 597,118 times Reputation: 158 Sand trap Social indoor golf coming to Riverfront Place on Broadway 01-01-2025, 08:56 AM 251 posts, read 222,813 times Reputation: 84 Quote: Originally Posted by Sonofagun112 Sand trap Social indoor golf coming to Riverfront Place on Broadway 01-01-2025, 08:56 AM 251 posts, read 597,118 times Reputation: 84 Quote: Originally Posted by Sonofagun112 Sand trap Social indoor golf coming to Riverfront Place on Broadway 01-01-2025, 08:56 AM 251 posts, read 597,118 times Reputation: 84 Quote: Originally Posted by Sonofagun112 Sand trap Social indoor golf coming to Riverfront Place on Broadway 01-01-2025, 08:56 AM 251 posts, read 597,118 times Reputation: 84 Quote: Originally Posted by Sonofagun112 Sand trap Social indoor golf coming to Riverfront Place on Broadway 01-01-2025, 08:56 AM 251 posts, read 597,118 times Reputation: 84 Quote: Originally Posted by Sonofagun112 Sand trap Social indoor golf coming to Riverfront Place on Broadway 01-01-2025, 08:56 AM 251 posts, read 597,118 times Reputation: 84 Quote: Originally Posted by Sonofagun112 Sand trap Social indoor golf coming to Riverfront Place on Broadway 01-01-2025, 08:56 AM 251 posts, read 597,118 times Reputation: 84 Quote: Originally Posted by Sonofagun112 Sand trap Social indoor golf coming to Riverfront Place on Broadway 01-01-2025, 08:56 AM 251 posts, read 597,118 times Reputation: 84 Quote: Originally Posted by Sonofagun112 Sand trap Social indoor golf coming to Riverfront Place on Broadway 01-01-2025, 08:56 AM 251 posts, read 597,118 times Reputation: 84 Quote: Originally Posted by Sonofagun112 Sand trap Social indoor golf coming to Riverfront Place on Broadway 01-01-2025, 08:56 AM 251 posts, read 597,118 times Reputation: 84 Quote: Originally Posted by Sonofagun112 Sand trap Social indoor golf coming to Riverfront Place on Broadway 01-01-2025, 08:56 AM 251 posts, read 597,118 times Reputation Place on Broadway 01-01-2025, 08:56 AM 25
 Riverfront Place on Broadway Interesting, just looked them up. Which space will they be occupying if you know. A or B? Attached Thumbnails 01-01-2025, 11:03 AM 494 posts, read 597,118 times Reputation: 158 Quote: Originally Posted by kingofthecity interesting, just looked them up. Which space will they be occupying if you know. A or b? b 01-01-2025, 11:03 AM 494 posts, read 597,118 times Reputation: 158 Quote: Originally Posted by kingofthecity interesting, just looked them up. Which space will they be occupying if you know. A or b? b 01-01-2025, 11:03 AM 494 posts, read 597,118 times Reputation: 158 Quote: Originally Posted by kingofthecity interesting, just looked them up. Which space will they be occupying if you know. A or b? b 01-01-2025, 11:03 AM 494 posts, read 597,118 times Reputation: 158 Quote: Originally Posted by kingofthecity interesting, just looked them up. Which space will they be occupying if you know. A or b? b 01-01-2025, 11:03 AM 494 posts, read 597,118 times Reputation: 158 Quote: Originally Posted by kingofthecity interesting, just looked them up. Which space will they be occupying if you know. A or b? b 01-01-2025, 11:03 AM 494 posts, read 597,118 times Reputation: 158 Quote: Originally Posted by kingofthecity interesting, just looked them up. Which space will be occupying if you know. A or b? b 01-01-2025, 11:03 AM 494 posts, read 597,118 times Reputation: 158 Quote: Originally Posted by kingofthecity interesting, just looked them up. Which space will be occupying if you know. A or b? b 01-01-2025, 11:03 AM 494 posts, read 597,118 times Reputation: 158 Quote: Originally Posted by kingofthecity interesting, just looked them up. Which space will be occupying if you know. A or b? b 01-01-2025, 11:03 AM 494 posts, read 597,118 times Reputation and the occupying if you know and the occupying if you know a or b. b 01-01-2025, and the occupying if you know a or b. b 01-01-2025, and the occupying if you know a or b. b 01-01-2025, and the occupying if you know a or b. b 01-01-2025, and the occupy
25-2025, 10:13 AM 12 posts, read 4,058 times Reputation: 20 Does anyone know what is going between Kia and the hotel to the left? I believe its been said here before
that it is some kind of building for KIA. 01-26-2025, 11:01 AM 12 posts, read 4,058 times Reputation: 20 Quote: Originally Posted by ColumbusGaRaised I believe its been said here before that it is some kind of building for KIA. That's right. Whoops. My bad. 01-29-2025, 03:00 PM 433 posts, read 596,559 times Reputation: 53 Please register to post
and access all features of our very popular forum. It is free and quick. Over $68,000 in prizes has already been given out to active posters on our site: City-data.com. Page 9 01-30-2025, 12:23 PM 244 posts, read 270,272 times
 Reputation: 99 Quote: Originally Posted by ColumbusGaRaised Been mentioned before like 2-3 pages back There has also been a rumor of a major development happening in Midland commons. 01-30-2025, 12:27 PM 494 posts, read 598,570 times Reputation: 158 Quote: Originally Posted by Jamesjb131 There has also been a rumor of a major development happening in Midland commons. 01-30-2025, 12:27 PM 494 posts, read 598,570 times Reputation: 158 Quote: Originally Posted by Jamesjb131 There has also been a rumor of a major development happening in Midland commons. 01-30-2025, 12:27 PM 494 posts, read 598,570 times Reputation: 158 Quote: Originally Posted by Jamesjb131 There has also been a rumor of a major development happening in Midland commons. 01-30-2025, 12:27 PM 494 posts, read 598,570 times Reputation: 158 Quote: Originally Posted by Jamesjb131 There has also been a rumor of a major development happening in Midland commons. 01-30-2025, 12:27 PM 494 posts, read 598,570 times Reputation: 158 Quote: Originally Posted by Jamesjb131 There has also been a rumor of a major development happening in Midland commons. 01-30-2025, 12:27 PM 494 posts, read 598,570 times Reputation: 158 Quote: Originally Posted by Jamesjb131 There has also been a rumor of a major development happening in Midland commons. 01-30-2025, 12:27 PM 494 posts, read 598,570 times Reputation: 158 Quote: Originally Posted by Jamesjb131 There has also been a rumor of a major development happening in Midland commons. 01-30-2025, 12:27 PM 494 posts, read 598,570 times Reputation: 158 Quote: Originally Posted by Jamesjb131 There has also been a rumor of a major development happening in Midland commons. 01-30-2025, 12:27 PM 494 posts, read 598,570 times Reputation: 158 Quote: Originally Posted by Jamesjb131 There has also been a rumor of a major development happening in Midland commons. 01-30-2025, 12:27 PM 494 posts, read 598,570 times Reputation: 158 Quote: Originally Posted by Jamesjb131 There has also been a rumor of a major development happening in Midland co
development happening in Midland commons. What rumor is that? 02-07-2025, 04:59 PM 2,300 posts, read 225,481 times Reputation: 818 02-07-2025, 07:41 PM 255 posts, read 225,481 times Reputation: 818 02-07-2025, 07:41 PM 255 posts, read 225,481 times Reputation: 818 02-07-2025, 07:41 PM 255 posts, read 225,481 times Reputation: 818 02-07-2025, 07:41 PM 255 posts, read 225,481 times Reputation: 818 02-07-2025, 07:41 PM 255 posts, read 225,481 times Reputation: 818 02-07-2025, 07:41 PM 255 posts, read 225,481 times Reputation: 818 02-07-2025, 07:41 PM 255 posts, read 225,481 times Reputation: 818 02-07-2025, 07:41 PM 255 posts, read 225,481 times Reputation: 818 02-07-2025, 07:41 PM 255 posts, read 225,481 times Reputation: 818 02-07-2025, 07:41 PM 255 posts, read 225,481 times Reputation: 818 02-07-2025, 07:41 PM 255 posts, read 225,481 times Reputation: 818 02-07-2025, 07:41 PM 255 posts, read 225,481 times Reputation: 818 02-07-2025, 07:41 PM 255 posts, read 225,481 times Reputation: 818 02-07-2025, 07:41 PM 255 posts, read 225,481 times Reputation: 818 02-07-2025, 07:41 PM 255 posts, read 225,481 times Reputation: 818 02-07-2025, 07:41 PM 255 posts, read 225,481 times Reputation: 818 02-07-2025, 07:41 PM 255 posts, read 225,481 times Reputation: 818 02-07-2025, 07:41 PM 255 posts, read 225,481 times Reputation: 818 02-07-2025, 07:41 PM 255 posts, read 225,481 times Reputation: 818 02-07-2025, 07:41 PM 255 posts, read 225,481 times Reputation: 818 02-07-2025, 07:41 PM 255 posts, read 225,481 times Reputation: 818 02-07-2025, 07:41 PM 255 posts, read 225,481 times Reputation: 818 02-07-2025, 07:41 PM 255 posts, read 225,481 times Reputation: 818 02-07-2025, 07:41 PM 255 posts, read 225,481 times Reputation: 818 02-07-2025, 07:41 PM 255 posts, read 225,481 times Reputation: 818 02-07-2025, 07:41 PM 255 posts, read 225,481 times Reputation: 818 02-07-2025, 07:41 PM 255 posts, read 225,481 times Reputation: 818 02-07-2025, 07:41 PM 255 posts, read 225,481 times Reputation: 818 02-07-2025, 07:41 PM 255 posts, read 22
at midland commons yesterday and noticed a sign. Apparently a Marriott hotel is going in. Also this weeks council meeting has information on the new parking garage and hotel for the trade center. I hadn't heard that a hotel was confirmed. Definitely need a convention center hotel. 03-08-2025, 05:19 AM 255 posts, read 225,481 times Reputation:
84 Quote: Originally Posted by Sonofagun112 I was at midland commons yesterday and noticed a sign. Apparently a Marriott hotel is going in. Also this weeks council meeting has information on the new parking garage and hotel for the trade center. I hadn't heard that a hotel was confirmed. Definitely need a convention center hotel. Whattttt? A hotel
is finally coming to Midland? 03-08-2025, 08:16 AM 255 posts, read 225,481 times Reputation: 84 Nice, it must be going in the lot towards the back closer to the trail. It was originally planned for senior housing but a hotel will be great too! 03-10-2025, 12:57 PM Location: Columbus, GA 1,461 posts, read 2,083,364 times Reputation: 269 This was a
mistake - this sign is now gone. Please register to post and access all features of our very popular forum. It is free and quick. Over $68,000 in prizes has already been given out to active posters on our forum. Additional giveaways are planned. Detailed information about all U.S. cities, counties, and zip codes on our site: City-data.com. Page 10 03-11-
2025, 12:36 PM 258 posts, read 279,726 times Reputation: 99 Hopefully the first watch is still happening the one by Lowe's stays crowded and long wait times! 03-11-2025, 01:28 PM Location: Columbus, GA 1,465 posts, read 2,106,175 times Reputation: 270 Quote: Originally Posted by Jamesjb131 Hopefully the first watch is still happening the one
by Lowe's stays crowded and long wait times! First Watch and Panera are almost ready to open 03-13-2025, 08:55 AM 258 posts, read 279,726 times Reputation: 99 Does anyone know what was passed at the Community meeting at the citizen center on Macon Rd? There was one thing having to do with the tunnels downtown and something else. Is
there a way to lookup what was discussed during those meetings? 03-13-2025, 02:12 PM Location: Atlanta Metro 1,143 posts, read 1,750,113 times Reputation: 336 I know Phenix City moves significantly slower than Columbus- but any hopes of this concept coming back? I'm sure if this is brought back it would be included in PC downtown
revitalization planning. Phenix City Event Center 2019-2022 03-14-2025, 08:43 AM 258 posts, read 279,726 times Reputation: 99 Quote: Originally Posted by Atlanta-Kid I know Phenix City moves significantly slower than Columbus- but any hopes of this concept coming back? I'm sure if this is brought back it would be included in PC downtown to the concept coming back? I'm sure if this is brought back it would be included in PC downtown to the concept coming back? I'm sure if this is brought back it would be included in PC downtown to the concept coming back? I'm sure if this is brought back it would be included in PC downtown to the concept coming back? I'm sure if this is brought back it would be included in PC downtown to the concept coming back? I'm sure if this is brought back it would be included in PC downtown to the concept coming back? I'm sure if this is brought back it would be included in PC downtown to the concept coming back? I'm sure if this is brought back it would be included in PC downtown to the concept coming back? I'm sure if this is brought back it would be included in PC downtown to the concept coming back? I'm sure if this is brought back it would be included in PC downtown to the concept coming back? I'm sure if this is brought back it would be included in PC downtown to the concept coming back? I'm sure if the concept coming back? I'm sure if the concept coming back it would be included in PC downtown to the concept coming back.
revitalization planning. Phenix City Event Center 2019-2022 I'm still waiting on Phase 4 for the river development across the river next to the Marriott hotel and Troy University. 03-14-2025, 12:15 PM Location: Columbus, GA 1,465 posts, read 2,106,175 times Reputation: 270 Quote: Originally Posted by Jamesjb131 I'm still waiting on Phase 4 for
the river development across the river next to the Marriott hotel and Troy University. And Troy just announced they're closing, so that's not good 03-18-2025, 06:55 AM 494 posts, read 606,466 times Reputation: 158 Anyone know what the construction on 13th across from highside market is for. They have fenced the building off and dumpsters are
filling up. 03-18-2025, 07:09 AM 258 posts, read 279,726 times Reputation: 99 Quote: Originally Posted by amyers And Troy just announced they're closing, so that's not good Yeah its sall like a 7 year old building. Hopefully it can be repurposed for another building. Comercial space for offices are not great after covid. 03-19-2025, 06:41
AM Location: Columbus, GA 1,465 posts, read 2,106,175 times Reputation: 270 Quote: Originally Posted by Sonofagun112 Anyone know what the construction on 13th across from highside market is for. They have fenced the building off and dumpsters are filling up. Offices for RAM Hotels (03-19-2025, 03:41 PM 14 posts, read 6,031 times
Reputation: 20 Are they doing a small local office, or a more corporate office, or a m
giveaways are planned. Detailed information about all U.S. cities, counties, and zip codes on our site: City-data.com. Page 11 03-20-2025, 06:42 AM 263 posts, read 286,451 times Reputation: 102 Quote: Originally Posted by Jamesjb131 Yeah its sall like a 7 year old building. Hopefully it can be repurposed for another building. Comercial
 space for offices are not great after covid. Also maybe Mercer or Auburn university can use the space? But apparently everything is going to online classes. 03-20-2025, 08:53 AM 7 posts, read 3,806 times Reputation: 20 Quote: Originally Posted by Shimmer_bee Are they doing a small local office, or a more corporate office? Or do you know? If it's
the latter, I think it would be a great opportunity for the city. Yes I definitely hope they do a new build. And being across from Highside will add to the urbanism even more. 03-21-2025, 07:48 AM Location: Columbus, GA 1,466 posts, read 2,121,548 times Reputation: 270 Quote: Originally Posted by Shimmer bee Are they doing a small local office, or
a more corporate office? Or do you know? If it's the latter, I think it would be a great opportunity for the city. Their corporate Center, they are just moving and probably expanding. They have 30 hotels, and another 30+ in the pipeline 03-25-2025, 06:59 AM Location: Columbus, GA 1,466 posts, read 2,121,548 times
Reputation: 270 For those that live in Fortson, they are putting a Nail Salon next to Cheers and Ivy Park Grill Nice, with the widening going on up
there, a lot more is probably going to be coming. But a new car wash is coming to the corner of Manchester Expressway/Veterans intersection. It's called Soapy Suds. Signage up in the parking lot. 03-26-2025, 08:12 AM Location: Columbus, GA 1,466 posts, read 2,121,548 times Reputation: 270 American Eagle appears to be leaving the mall for
Columbus Park Crossing, next to Newk's. 03-26-2025, 09:59 AM 3 posts, read 1,677 times Reputation: 10 I saw an ad for a chef for Jim & Nick's BBQ. Where will it be located? 03-26-2025, 10:00 AM Location: Columbus, GA 1,466 posts, read 2,121,548 times Reputation: 270 Quote: Originally Posted by Gampa1959 I saw an ad for a chef for Jim & Nick's BBQ. Where will it be located? 03-26-2025, 10:00 AM Location: Columbus, GA 1,466 posts, read 2,121,548 times Reputation: 270 Quote: Originally Posted by Gampa1959 I saw an ad for a chef for Jim & Nick's BBQ. Where will it be located? 03-26-2025, 10:00 AM Location: Columbus, GA 1,466 posts, read 2,121,548 times Reputation: 270 Quote: Originally Posted by Gampa1959 I saw an ad for a chef for Jim & Nick's BBQ. Where will it be located? 03-26-2025, 10:00 AM Location: Columbus, GA 1,466 posts, read 2,121,548 times Reputation: 270 Quote: Originally Posted by Gampa1959 I saw an ad for a chef for Jim & Nick's BBQ. Where will it be located? 03-26-2025, 10:00 AM Location: 270 Quote: Originally Posted by Gampa1959 I saw an ad for a chef for Jim & Nick's BBQ. Where will it be located? 03-26-2025, 10:00 AM Location: 270 Quote: Originally Posted by Gampa1959 I saw an ad for a chef for Jim & Nick's BBQ. Where will be located? 03-26-2025, 10:00 AM Location: 270 Quote: Originally Posted by Gampa1959 I saw an ad for a chef for Jim & Nick's BBQ. Where will be located? 03-26-2025, 10:00 AM Location: 270 Quote: Originally Posted by Gampa1959 I saw an ad for a chef for Jim & Nick's BBQ. Where will be located? 03-26-2025, 10:00 AM Location: 270 Quote: Originally Posted by Gampa1959 I saw an ad for a chef for Jim & Nick's BBQ. Where will be located? 03-26-2025, 10:00 AM Location: 270 Quote: Originally Posted by Gampa1959 I saw an ad for a chef for Jim & Nick's BBQ. Where will be located? 03-26-2025, 10:00 AM Location: 270 Quote: 03
 Nick's BBQ. Where will it be located? In front of the new Sons Chevy at Columbus Park. 03-26-2025, 10:17 AM 207 posts, read 71,145 times Reputation: 279 Quote: Originally Posted by Jamesjb131 Also maybe Mercer or Auburn university can use the space? But apparently everything is going to online classes. Possibly even Columbus State
 University? Why not? 03-26-2025, 05:31 PM 269 posts, read 244,851 times Reputation: 84 Quote: Originally Posted by amyers3 In front of the new Sons Chevy at Columbus Park. And the Raising Canes will be next door to Jim N Nicks. So excited for both! Please register to post and access all features of our very popular forum. It is free and quick
Over $68,000 in prizes has already been given out to active posters on our forum. Additional giveaways are planned. Detailed information about all U.S. cities, counties, and zip codes on our site: City-data.com. Page 12 03-27-2025, 07:23 AM 264 posts, read 287,750 times Reputation: 102 Quote: Originally Posted by Columbus Guy Possibly even
Columbus State University? Why not? CSU might have an issue because it is in a different state, so will Mercer. O3-27-2025, 11:19 AM 215 posts, read 75,038 times Reputation: 282 Quote: Originally Posted by Jamesjb131 CSU might have an issue because it is in a different state, so will Mercer. True. We'll see. Very nice building for somebody,
 though. 04-03-2025, 07:35 PM 2,322 posts, read 2,512,855 times Reputation: 84 Quote: Originally Posted by Fountain-of-youth Belk outlet could be coming to Columbus soon. Haven't been in Belk since a kid. Where's it's planned on
coming at? 04-04-2025, 08:19 AM 379 posts, read 350,505 times Reputation: 274 Quote: Originally Posted by Fountain-of-youth Belk outlet could be coming to Columbus soon. That's interesting. Belk has never had a presence in Columbus to Columbus soon. That's interesting. Belk has never had a presence in Columbus soon. That's interesting. Belk has never had a presence in Columbus soon. That's interesting. Belk has never had a presence in Columbus soon. That's interesting. Belk has never had a presence in Columbus soon. That's interesting in Columbus soon. That's interesting in Columbus soon. That I have yet to confirm - 
negotiating to enter into a partnership with Belk to become Belk-Kirven's. Obviously that never happened. Belk had the opportunity to open a store when they purchased Parisian, but they opted not to. I'm intrigued that they want to open a store when they purchased Parisian, but they opted not to. I'm intrigued that they want to open a store when they purchased Parisian, but they opted not to. I'm intrigued that they want to open a store when they purchased Parisian, but they opted not to. I'm intrigued that they want to open a store when they purchased Parisian, but they opted not to. I'm intrigued that they want to open a store when they purchased Parisian, but they opted not to. I'm intrigued that they want to open a store when they purchased Parisian, but they opted not to. I'm intrigued that they want to open a store when they purchased Parisian, but they opted not to. I'm intrigued that they want to open a store when they purchased Parisian, but they opted not to. I'm intrigued that they want to open a store when they purchased Parisian, but they opted not to. I'm intrigued that they want to open a store when they purchased Parisian, but they opted not to. I'm intrigued that they want to open a store when they purchased Parisian, but they opted not to. I'm intrigued that they opted not to. I'm intr
Columbus, GA 1,467 posts, read 2,126,499 times Reputation: 270 Amped Fitness opening their first location in the old Big Lots near Doubletree off Airport Thruway 05-13-2025, 07:44 AM Location: Columbus, GA 1,467 posts, read 2,126,499 times Reputation: 270 Looks like Greystone backed out of the apartments at Columbus Park behind Sons
Chevy, new development is called Pointe Grand www.pointegrand.com 05-13-2025, 09:14 AM 273 posts, read 247,300 times Reputation: 84 Quote: Originally Posted by amyers3 Looks like Greystone backed out of the apartments at Columbus Park behind Sons Chevy, new development is called Pointe Grand www.pointegrand.com Wow, I hope they
still find a developer that can do some housing there. Is Greystone still doing the apartments off Whittlesey? Where they already cleared the land (behind Krispy Kreme). 05-13-2025, 10:29 AM Location: Columbus, GA 1,467 posts, read 2,126,499 times Reputation: 270 Quote: Originally Posted by KingOfTheCity Wow, I hope they still find a developer that can do some housing there. Is Greystone still doing the apartments off Whittlesey? Where they already cleared the land (behind Krispy Kreme).
that can do some housing there. Is Greystone still doing the apartments off Whittlesey? Where they already cleared the land (behind Krispy Kreme). They own that land already, so I assume at some point they will. And to be clear, land owner at Columbus Park did find another developer; linked in my previous post. 05-13-2025, 12:06 PM 273 posts,
read 247,300 times Reputation: 84 Quote: Originally Posted by amyers3 They own that land already, so I assume at some point they will. And to be clear, land owner at Columbus Park did find another development? Gotcha. Please
register to post and access all features of our very popular forum. It is free and guick. Over $68,000 in prizes has already been given out to active posters on our site: City-data.com. Page 13 05-16-2025, 07:27 AM Location: Columbus
GA 1,467 posts, read 2,126,499 times Reputation: 270 ANOTHER Dollar Tree going next to CVS on Double Churches Rd. The new Dollar General of Columbus lol 05-16-2025, 09:25 AM 273 posts, read 247,300 times Reputation: 84 Quote: Originally Posted by amyers3 ANOTHER Dollar Tree going next to CVS on Double Churches Rd. The new Dollar General of Columbus lol 05-16-2025, 09:25 AM 273 posts, read 247,300 times Reputation: 84 Quote: Originally Posted by amyers3 ANOTHER Dollar Tree going next to CVS on Double Churches Rd. The new Dollar General of Columbus lol 05-16-2025, 09:25 AM 273 posts, read 247,300 times Reputation: 84 Quote: Originally Posted by amyers3 ANOTHER Dollar Tree going next to CVS on Double Churches Rd. The new Dollar General of Columbus lol 05-16-2025, 09:25 AM 273 posts, read 247,300 times Reputation: 84 Quote: Originally Posted by amyers3 ANOTHER Dollar Tree going next to CVS on Double Churches Rd. The new Dollar General of Columbus lol 05-16-2025, 09:25 AM 273 posts, read 247,300 times Reputation: 84 Quote: Originally Posted by amyers3 ANOTHER Dollar Tree going next to CVS on Double Churches Rd. The new Dollar General of Columbus lol 05-16-2025, 09:25 AM 273 posts, read 247,300 times Reputation: 84 Quote: Originally Posted by amyers3 ANOTHER Dollar Tree going next to CVS on Double Churches Rd. The new Dollar General of Columbus lol 05-16-2025, 09:25 AM 273 posts, read 247,300 times Reputation: 84 Quote: Original Origi
General of Columbus lol Lol yeah that's crazy considering one is under construction right now off Gentian Blvd. And I think it's going to be more at that site cause they're clearing trees, and additional land in addition to the section of the site that was already cleared. That's too much space for just a Dollar store in my opinion. 05-20-2025, 06:46 AM
264 posts, read 287,750 times Reputation: 102 Quote: Originally Posted by amyers3 ANOTHER Dollar Tree going next to CVS on Double Churches Rd. The new Dollar General of Columbus lol Dang! I was hoping for a small bar or restaurant lolol. 05-23-2025, 05:46 PM 3 posts, read 2,082 times Reputation: 10 What is going into old At Home
Peachtree Mall 05-23-2025, 06:36 PM 273 posts, read 247,300 times Reputation: 84 Quote: Originally Posted by Jamesjb131 Dang! I was hoping for a small bar or restaurant lolol. Don't let your hopes go just yet. It's a lot of space, so something else might fill in also. 05-23-2025, 06:37 PM 273 posts, read 247,300 times Reputation: 84 Quote
Originally Posted by Gampa1959 What is going into old At Home Peachtree Mall I'm not sure, but glad to know something is coming there. 05-24-2025, 12:27 AM 2,322 posts, read 2,512,855 times Reputation: 835 Quote: Originally Posted by Gampa1959 What is going into old At Home Peachtree Mall A large beauty supply store name beauty
  masters. 06-05-2025, 01:26 PM Location: Atlanta Metro 1,157 posts, read 1,769,292 times Reputation: 336 Random: Why is there no interchange at Veterans and 185-I just feel like that would be a crucial exit for Columbus and Downtown in General-- and of course- not ignoring the 2nd Ave exit for downtown. 06-06-2025, 11:17 AM 3 posts, read
2,082 times Reputation: 10 I have wondered that as well. I believe that the original freeway was extended to Airport Thruway in late 60s. When they went further northward, maybe they thought too close to other exit. You can sort of exit using JR Allen exit and looping around. The DOT needs to change the sign for that exit on 185 to say Veterans, not
just US 27. 06-17-2025, 12:20 PM Location: Columbus, GA 1,467 posts, read 2,126,499 times Reputation: 270 They have started contruction on the Raising Cane's next to Jim N Nicks Please register to post and access all features of our very popular forum. It is free and quick. Over $68,000 in prizes has already been given out to active posters on our
 forum. Additional giveaways are planned. Detailed information about all U.S. cities, counties, and zip codes on our site: City-data.com. Page 14 06-17-2025, 01:30 PM Location: Atlanta Metro 1,157 posts, read 1,769,292 times Reputation: 336 Quote: Originally Posted by Gampa1959 I have wondered that as well. I believe that the original freeway was
extended to Airport Thruway in late 60s. When they went further northward, maybe they thought too close to other exit. You can sort of exit using JR Allen exit and looping around. The DOT needs to change the sign for that exit on 185 to say Veterans, not just US 27. That totally makes sense- they'd have to connect the US 80 interchange with the
 Veterans one- which would be an insane way to merge onto 185 Now that you mention the usual route-- the collector lanes help direct traffic directly to Veterans from 185 06-17-2025, 08:03 PM 215 posts, read 75,038 times Reputation: 282 Hopefully somebody at GDOT will read these comments and pass them along as appropriate! 06-19-2025,
11:14 AM 273 posts, read 247,300 times Reputation: 84 New Residential Housing On The Way!!! 3 new residential projects are making their way through city planning's pipeline. - Cusseta Woods Apartments (developers of Highside Market) - Single family homes coming right next to the shopping plaza on River Rd (where Emeralds BBQ is) - Union
Station Mixed Use (5th Ave downtown on an empty lot. Apartments and a small office space) 06-19-2025, 01:23 PM 273 posts, read 247,300 times Reputation: 84 New Development - 1363 Double Churches Rd Anyone have the scoop on this site? I remember one user saying Dollar Tree but it HAS to be more coming. That site is massive now that it's
cleared and a new entrance is being constructed. (just rode through) Attached Thumbnails 06-19-2025, 02:22 PM Location: Columbus, GA 1,467 posts, read 2,126,499 times Reputation: 270 Quote: Originally Posted by KingOfTheCity Anyone have the scoop on this site? I remember one user saying Dollar Tree but it HAS to be more coming. That site
is massive now that it's cleared and a new entrance is being constructed. (just rode through) Yes, it's a dollar tree and some additional retail Nice, so a retail setup with the Dollar Tree similar to
the one across from Walmart on Gateway. Today, 03:45 AM 81 posts, read 94,693 times Reputation: 68 I saw that they were doing work but I didnt know about this. Great usage of the place. Today, 08:35 AM 264 posts, read 287,750 times Reputation: 102 Quote: Originally Posted by lookingtoreloc78 Interesting place to build apartments Today,
08:50 AM 215 posts, read 75,038 times Reputation: 282 Quote: Originally Posted by Jamesjb131 Interesting place to build apartments This is great! Hopefully, most of the original building's uniqueness, architecture, and historical appeal will remain! Please register to post and access all features of our very popular forum. It is free and quick. Over
$68,000 in prizes has already been given out to active posters on our forum. Additional giveaways are planned. Detailed information about all U.S. cities, counties, and zip codes on our site: City-data.com. Page 15 « Previous Thread » Data: Median household income ($) Median household income ($) change since 2000) Household
income diversity Ratio of average income ($) - Alian Median household income ($) - Alian Median household income ($) - American Indian and
Alaska Native Median household income ($) - Multirace Median household income for houses/condos with a mortgage ($) Races - White alone (%) Races - White alone (%) Races - White alone (%) Races - Black alone (%) Races - Bl
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Male, no wife present (%) Poverty among people who did not graduate high school not in families (%) Poverty among high school not in families (%) Poverty among people who did not graduate high school not in families (%) Poverty among high school not in
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poverty level (%) - Multirace Residents with income below the poverty level (%) - Other Race Air pollution - PM10 Air pollution - PM25 Air pollution - PM25 Air pollution - PM26 Air pollution - PM26 Air pollution - PM27 Air pollution - PM27 Air pollution - PM28 Air pollution - PM28 Air pollution - PM28 Air pollution - PM29 
Crime - Robberies per 100,000 population Crime - Arson per 100,000 population Crime - City-data.com crime index Crime - Violent crime index Crime - Property crime index Crime
Murders per 100,000 population (5 year average) Crime - Rapes per 100,000 population (5 year average) Crime - Robberies per 100,000 population (5 year average) Crime - Assaults per 100,000 population (5 year average) Crime - Assaults per 100,000 population (5 year average) Crime - Robberies per 100,000 population (5 year average) Crime - Robberies per 100,000 population (5 year average) Crime - Robberies per 100,000 population (5 year average) Crime - Robberies per 100,000 population (5 year average) Crime - Robberies per 100,000 population (5 year average) Crime - Robberies per 100,000 population (5 year average) Crime - Robberies per 100,000 population (5 year average) Crime - Robberies per 100,000 population (5 year average) Crime - Robberies per 100,000 population (5 year average) Crime - Robberies per 100,000 population (5 year average) Crime - Robberies per 100,000 population (5 year average) Crime - Robberies per 100,000 population (5 year average) Crime - Robberies per 100,000 population (5 year average) Crime - Robberies per 100,000 population (5 year average) Crime - Robberies per 100,000 population (5 year average) Crime - Robberies per 100,000 population (5 year average) Crime - Robberies per 100,000 population (5 year average) Crime - Robberies per 100,000 population (5 year average) Crime - Robberies per 100,000 population (5 year average) Crime - Robberies per 100,000 population (5 year average) Crime - Robberies per 100,000 population (5 year average) Crime - Robberies per 100,000 population (5 year average) Crime - Robberies per 100,000 population (5 year average) Crime - Robberies per 100,000 population (5 year average) Crime - Robberies per 100,000 population (5 year average) Crime - Robberies per 100,000 population (5 year average) Crime - Robberies per 100,000 population (5 year average) Crime - Robberies per 100,000 population (5 year average) Crime - Robberies per 100,000 population (5 year average) Crime - Robberies per 100,000 population (5 year average) Crime - Robberies per 100,000 po
thefts per 100,000 population (5 year average) Crime - Violent crime index (5 year average) Crime - Violent crime index (5 year average) Crime - Property crime 
(%) - Republican Party (Dole) 1996 Presidential Elections Results (%) - Other 2000 Presidential Elections Results (%) - Democratic Party (Bush) 2000 Presidential Elections Results (%) - Democratic Party (Bush) 2004 Presidential Elections Results (%) - Democratic Party (Bush) 2004 Presidential Elections Results (%) - Democratic Party (Bush) 2004 Presidential Elections Results (%) - Democratic Party (Bush) 2004 Presidential Elections Results (%) - Democratic Party (Bush) 2004 Presidential Elections Results (%) - Democratic Party (Bush) 2004 Presidential Elections Results (%) - Democratic Party (Bush) 2004 Presidential Elections Results (%) - Democratic Party (Bush) 2004 Presidential Elections Results (%) - Democratic Party (Bush) 2004 Presidential Elections Results (%) - Democratic Party (Bush) 2004 Presidential Elections Results (%) - Democratic Party (Bush) 2004 Presidential Elections Results (%) - Democratic Party (Bush) 2004 Presidential Elections Results (%) - Democratic Party (Bush) 2004 Presidential Elections Results (%) - Democratic Party (Bush) 2004 Presidential Elections Results (%) - Democratic Party (Bush) 2004 Presidential Elections Results (%) - Democratic Party (Bush) 2004 Presidential Elections Results (%) - Democratic Party (Bush) 2004 Presidential Elections Results (%) - Democratic Party (Bush) 2004 Presidential Elections Results (%) - Democratic Party (Bush) 2004 Presidential Elections Results (%) - Democratic Party (Bush) 2004 Presidential Elections Results (%) - Democratic Party (Bush) 2004 Presidential Elections Results (%) - Democratic Party (Bush) 2004 Presidential Elections Results (%) - Democratic Party (Bush) 2004 Presidential Elections Results (%) - Democratic Party (Bush) 2004 Presidential Elections Results (%) - Democratic Party (Bush) 2004 Presidential Elections Results (%) - Democratic Party (Bush) 2004 Presidential Elections Results (%) - Democratic Party (Bush) 2004 Presidential Elections Results (%) - Democratic Party (Bush) 2004 Presidential Elections Results (%) - Democratic P
Results (%) - Republican Party (Bush) 2004 Presidential Elections Results (%) - Other 2012 Presidential Elections Results (%) - Democratic Party (Obama) 2012 Presidential Elections Results (%) - Democratic Party (Obama) 2012
Presidential Elections Results (%) - Republican Party (Romney) 2016 Presidential Elections Results (%) - Other 2020 Presidential Elections Results (%) - Democratic Party (Clinton) 2016 Presidential Elections Results (%) - Democratic Party (Clinton) 2016 Presidential Elections Results (%) - Democratic Party (Romney) 2016 Presidential Elections Results (%) - Democratic Party (Romney) 2016 Presidential Elections Results (%) - Democratic Party (Romney) 2016 Presidential Elections Results (%) - Democratic Party (Romney) 2016 Presidential Elections Results (%) - Democratic Party (Romney) 2016 Presidential Elections Results (%) - Democratic Party (Romney) 2016 Presidential Elections Results (%) - Democratic Party (Romney) 2016 Presidential Elections Results (%) - Democratic Party (Romney) 2016 Presidential Elections Results (%) - Democratic Party (Romney) 2016 Presidential Elections Results (%) - Democratic Party (Romney) 2016 Presidential Elections Results (%) - Democratic Party (Romney) 2016 Presidential Elections Results (%) - Democratic Party (Romney) 2016 Presidential Elections Results (%) - Democratic Party (Romney) 2016 Presidential Elections Results (%) - Democratic Party (Romney) 2016 Presidential Elections Results (%) - Democratic Party (Romney) 2016 Presidential Elections Results (%) - Democratic Party (Romney) 2016 Presidential Elections Results (%) - Democratic Party (Romney) 2016 Presidential Elections Results (%) - Democratic Party (Romney) 2016 Presidential Elections Results (%) - Democratic Party (Romney) 2016 Presidential Elections Results (%) - Democratic Party (Romney) 2016 Presidential Elections Results (%) - Democratic Party (Romney) 2016 Presidential Elections Results (%) - Democratic Party (Romney) 2016 Presidential Elections Results (%) - Democratic Party (Romney) 2016 Presidential Elections Results (%) - Democratic Party (Romney) 2016 Presidential Elections Results (%) - Democratic Party (Romney) 2016 Presidential Elections Results (%) - Democratic Party (Romney) 2016 Presidential Elections R
Party (Biden) 2020 Presidential Elections Results (%) - Republican Party (Trump) 2020 Presidential Elections Results (%) - Other Ancestries Reported - Dutch (%) Ancestries Reported - English (%) Ancestries Reported - English (%) Ancestries Reported - Dutch (%) Ancestries Reported - Dutch (%) Ancestries Reported - English (%) Ancestries Reported - Dutch (%) Ancestries Reported - D
French Canadian (%) Ancestries Reported - Greek (%) Ancestries Reported - Italian (%) Ancestries Reported - Polish (%) Ancestries Reported - Portuguese (%) Ancestries Reported - Italian (%) Ancestries Reported
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Reported - Russian (%) Ancestries Reported - Scotch-Irish (%) Ancestries Reported - Scotch-Irish (%) Ancestries Reported - Subsaharan African (%) Ancestries Reported - Subsaharan African (%) Ancestries Reported - United States (%) Ancestries Reported - Subsaharan African (%) Ancestries Reported - United States (%) Ancestries Reported - Subsaharan African (%) Ancestries Reported - Subsaharan (%) Ancestries Reported - Subsaharan (%) Ancestries Reported - Subsaharan (%)

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Median number of rooms in houses and condos Median number of rooms in apartments Housing units lacking complete plumbing facilities (%) Households with people 60 years and over (%) Households with people 65 years and over (%)
  Households with people 75 years and over (%) Households with one or more nonrelatives (%) Family households with no nonrelatives (%) Family households with own children (%) Median number of bedrooms in owner occupied houses Mean number of
 bedrooms in owner occupied houses Median number of bedrooms in renter occupied houses Median number of vehichles in owner occupied houses Median number of vehichles in renter occupied houses 
 occupied houses Mortgage status - with mortgage (%) Mortgage status - with both second mortgage (%) Mortgage status - with both second mortgage (%) Mortgage status - with both second mortgage status - with both second mortgage (%) Mortgage status - with both second mortgage
 American Average family size - Asian Average family size - American Indian and Alaska Native Average family size - Multirace A
county within same state (%) Geographical mobility - Moved from different state (%) Place of birth - Born in state of residence (%) Place of birth - Born in state of residence (%) Place of birth - Born in other state (%) Place of birth - Born in state of residence (%) Place of birth - Born in other state (%) Place of birth - Born in state of residence (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place of birth - Born in other state (%) Place o
 in structures - 1, attached (%) Housing units in structures - 2 (%) Housing units in structures - 5 to 9 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 20 to 49 (%) Housing units in structures - 5 to 9 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Housing units in structures - 10 to 19 (%) Hous
  Boat, RV, van, etc. (%) House/condo owner moved in on average (years ago) Renter moved into unit - Moved in 1995 to 1998 (%) Year householder moved into unit - Moved in 1999 to March 2000 (%) Year householder moved into unit - Moved in 1998 to 1998 (%) Year householder moved into unit - Moved in 1998 to 1998 (%) Year householder moved into unit - Moved in 1998 to 1998 (%) Year householder moved into unit - Moved in 1998 to 1998 (%) Year householder moved into unit - Moved in 1998 to 1998 (%) Year householder moved into unit - Moved in 1998 to 1998 (%) Year householder moved into unit - Moved in 1998 to 1998 (%) Year householder moved into unit - Moved in 1998 to 1998 (%) Year householder moved into unit - Moved in 1998 to 1998 (%) Year householder moved into unit - Moved in 1998 (%) Year householder moved into unit - Moved in 1998 (%) Year householder moved into unit - Moved in 1998 (%) Year householder moved into unit - Moved in 1998 (%) Year householder moved into unit - Moved in 1998 (%) Year householder moved into unit - Moved in 1998 (%) Year householder moved into unit - Moved in 1998 (%) Year householder moved into unit - Moved in 1998 (%) Year householder moved into unit - Moved in 1998 (%) Year householder moved into unit - Moved in 1998 (%) Year householder moved into unit - Moved in 1998 (%) Year householder moved into unit - Moved in 1998 (%) Year householder moved into unit - Moved in 1998 (%) Year householder moved into unit - Moved in 1998 (%) Year householder moved into unit - Moved in 1998 (%) Year householder moved into unit - Moved in 1998 (%) Year householder moved into unit - Moved in 1998 (%) Year householder moved into unit - Moved in 1998 (%) Year householder moved into unit - Moved in 1998 (%) Year householder moved into unit - Moved in 1998 (%) Year householder moved into unit - Moved in 1998 (%) Year householder moved into unit - Moved in 1998 (%) Year householder moved into unit - Moved in 1998 (%) Year householder moved into unit - Moved in 1998 (%) Year householder moved into unit 
 Moved in 1980 to 1989 (%) Year householder moved into unit - Moved in 1970 to 1979 (%) Year householder moved into unit - Moved in 1969 or earlier (%) Means of transportation to work - Drove car alone (%) Means of transportation to work - Public transportation (%) Means of transportation to work - Drove car alone (%) Means of transportation to work - Drove car alone (%) Means of transportation to work - Drove car alone (%) Means of transportation to work - Drove car alone (%) Means of transportation to work - Drove car alone (%) Means of transportation to work - Drove car alone (%) Means of transportation to work - Drove car alone (%) Means of transportation to work - Drove car alone (%) Means of transportation to work - Drove car alone (%) Means of transportation to work - Drove car alone (%) Means of transportation to work - Drove car alone (%) Means of transportation to work - Drove car alone (%) Means of transportation to work - Drove car alone (%) Means of transportation to work - Drove car alone (%) Means of transportation to work - Drove car alone (%) Means of transportation to work - Drove car alone (%) Means of transportation to work - Drove car alone (%) Means of transportation to work - Drove car alone (%) Means of transportation to work - Drove car alone (%) Means of transportation to work - Drove car alone (%) Means of transportation to work - Drove car alone (%) Means of transportation to work - Drove car alone (%) Means of transportation to work - Drove car alone (%) Means of transportation to work - Drove car alone (%) Means of transportation to work - Drove car alone (%) Means of transportation to work - Drove car alone (%) Means of transportation to work - Drove car alone (%) Means of transportation to work - Drove car alone (%) Means of transportation to work - Drove car alone (%) Means of transportation to work - Drove car alone (%) Means of transportation to work - Drove car alone (%) Means of transportation to work - Drove car alone (%) Means of transportation (%) Means of transportation (
  - Bus or trolley bus (%) Means of transportation to work - Streetcar or trolley car (%) Means of transportation to work - Ferryboat (%) Means of transportation to work - Taxicab (%) Means of transportation to work - Motorcycle (%) Means of transportation to work - Taxicab (%) Means of transportation to work - Subway or elevated (%) Means of transportation to work - Subway or elevated (%) Means of transportation to work - Subway or elevated (%) Means of transportation to work - Subway or elevated (%) Means of transportation to work - Subway or elevated (%) Means of transportation to work - Subway or elevated (%) Means of transportation to work - Subway or elevated (%) Means of transportation to work - Subway or elevated (%) Means of transportation to work - Subway or elevated (%) Means of transportation to work - Subway or elevated (%) Means of transportation to work - Subway or elevated (%) Means of transportation to work - Subway or elevated (%) Means of transportation to work - Subway or elevated (%) Means of transportation to work - Subway or elevated (%) Means of transportation to work - Subway or elevated (%) Means of transportation to work - Subway or elevated (%) Means of transportation to work - Subway or elevated (%) Means of transportation to work - Subway or elevated (%) Means of transportation to work - Subway or elevated (%) Means of transportation to work - Subway or elevated (%) Means of transportation to work - Subway or elevated (%) Means of transportation to work - Subway or elevated (%) Means of transportation to work - Subway or elevated (%) Means of transportation to work - Subway or elevated (%) Means of transportation to work - Subway or elevated (%) Means of transportation to work - Subway or elevated (%) Means of transportation to work - Subway or elevated (%) Means of transportation to work - Subway or elevated (%) Means of transportation to work - Subway or elevated (%) Means of transportation (%) Means of transportation (%) Means of transportation (%) Means of transportation (%) Mean
 transportation to work - Bicycle (%) Means of transportation to work - Walked (%) Means of transportation to work - Other means (%) Working at home (%) Most Common Industries - Agriculture, forestry, fishing and hunting (%) Most Common Industries - Agriculture, forestry, fishing and hunting (%) Most Common Industries - Agriculture, forestry, fishing and hunting (%) Most Common Industries - Agriculture, forestry, fishing and hunting (%) Most Common Industries - Agriculture, forestry, fishing and hunting (%) Most Common Industries - Agriculture, forestry, fishing and hunting (%) Most Common Industries - Agriculture, forestry, fishing and hunting (%) Most Common Industries - Agriculture, forestry, fishing and hunting (%) Most Common Industries - Agriculture, forestry, fishing and hunting (%) Most Common Industries - Agriculture, forestry, fishing and hunting (%) Most Common Industries - Agriculture, forestry, fishing and hunting (%) Most Common Industries - Agriculture, forestry, fishing and hunting (%) Most Common Industries - Agriculture, forestry, fishing and hunting (%) Most Common Industries - Agriculture, forestry, fishing and hunting (%) Most Common Industries - Agriculture, forestry, fishing and hunting (%) Most Common Industries - Agriculture, forestry, fishing and hunting (%) Most Common Industries - Agriculture, forestry, fishing and hunting (%) Most Common Industries - Agriculture, forestry, fishing and hunting (%) Most Common Industries - Agriculture, forestry, fishing and hunting (%) Most Common Industries - Agriculture, forestry, fishing and hunting (%) Most Common Industries - Agriculture, forestry, fishing and hunting (%) Most Common Industries - Agriculture, forestry, fishing and hunting (%) Most Common Industries - Agriculture, forestry, fishing and hunting (%) Most Common Industries - Agriculture, forestry, fishing and hunting (%) Most Common Industries - Agriculture, forestry, fishing and hunting (%) Most Common Industries - Agriculture, forestry, fishing and hunting (%) Most Common Industries
 Industries - Mining, quarrying, and oil and gas extraction (%) Most Common Industries - Retail trade (%) Most Common Industries - Wholesale trade (%) Most C
 Transportation and warehousing (%) Most Common Industries - Utilities (%) Most Common Industries - Finance and insurance, and real estate and rental and leasing (%) Most Common Industries - Finance and insurance, and real estate and rental and leasing (%) Most Common Industries - Information (%) Most Common Industries - In
  Industries - Professional, scientific, and management, and administrative and waste management services (%) Most Common Industries - Management of companies and enterprises (%) Most Common Industries - Administrative and support and waste management services
 (%) Most Common Industries - Educational services, and health care and social assistance (%) Most Common Industries - Educational services, and health care and social assistance (%) Most Common Industries - Arts, entertainment, and recreation, and accommodation and food services (%) Most Common Industries - Arts, entertainment, and recreation, and accommodation and food services (%) Most Common Industries - Arts, entertainment, and recreation, and accommodation and food services (%) Most Common Industries - Arts, entertainment, and recreation, and accommodation and food services (%) Most Common Industries - Arts, entertainment, and recreation, and accommodation and food services (%) Most Common Industries - Arts, entertainment, and recreation, and accommodation and food services (%) Most Common Industries - Arts, entertainment, and recreation, and accommodation and food services (%) Most Common Industries - Arts, entertainment, and recreation (%) Most Common Industries - Arts, entertainment, and recreation (%) Most Common Industries - Arts, entertainment, and recreation (%) Most Common Industries - Arts, entertainment, and recreation (%) Most Common Industries - Arts, entertainment, and recreation (%) Most Common Industries - Arts, entertainment, and recreation (%) Most Common Industries - Arts, entertainment, and recreation (%) Most Common Industries - Arts, entertainment, and recreation (%) Most Common Industries - Arts, entertainment, and recreation (%) Most Common Industries - Arts, entertainment, and recreation (%) Most Common Industries - Arts, entertainment, and recreation (%) Most Common Industries - Arts, entertainment, and recreation (%) Most Common Industries - Arts, entertainment, and recreation (%) Most Common Industries - Arts, entertainment, ente
  entertainment, and recreation (%) Most Common Industries - Accommodation and food services (%) Most Common Industries - Other services, except public administration (%) Most Common Industries - Public administration (%) Most Common Industries - Other services, except public administration (%) Most Common Industries - Other services, except public administration (%) Most Common Industries - Other services, except public administration (%) Most Common Industries - Other services, except public administration (%) Most Common Industries - Other services, except public administration (%) Most Common Industries - Other services, except public administration (%) Most Common Industries - Other services
Common Occupations - Management, business, and financial occupations (%) Most Common Occupations - Computer, engineering, and science occupations (%) Most Common Occupations - Computer and
 mathematical occupations (%) Most Common Occupations - Architecture and engineering occupations - Education, legal, community service, arts, and media occupations (%) Most Common Occupations - Community and social service
 occupations (%) Most Common Occupations - Education - Educations - Educations - Common Occupations - Educations - Educatio
  - Health diagnosing and treating practitioners and other technical occupations (%) Most Common Occupations - Health technologists and technicians (%) Most Common Occupations - Protective service occupations (%) Most Common Occupations - Health technologists and technicians (%) Most Common Occupations - Protective service occupations (%) Most Common Occupations - Health technologists and technicians (%) Most Common Occupations - Protective service occupations (%) Most Common Occupations - Health technologists and technicians (%) Most Common Occupations - Health technologists and technicians (%) Most Common Occupations - Health technologists and technicians (%) Most Common Occupations - Health technologists and technicians (%) Most Common Occupations - Health technologists and technicians (%) Most Common Occupations (%) Most Common 
 Common Occupations - Fire fighting and prevention, and other protective service workers including supervisors (%) Most Common Occupations - Building and grounds cleaning and
  maintenance occupations (%) Most Common Occupations - Sales and office occupations - Sales an
resources, construction, and maintenance occupations (%) Most Common Occupations - Farming, fishing, and forestry occupations - Construction and extraction occupations (%) Most Common Occupations - Farming, fishing, and forestry occupations - Construction and extraction occupations - Farming, fishing, and forestry occupations - Construction occupations - Construction occupations - Farming, fishing, and forestry occupations - Farming, fishing, and forestry occupations - Construction occupations - Farming, fishing, and forestry occupations - Farming, fishing, fishin
 and material moving occupations (%) Most Common Occupations - Production occupations - Production occupations (%) People in Group quarters - Correctional institutions (%) People in Group quarters - Correctional institutions (%) People in Group quarters - Institutional institutions (%) People in Group quarters - Correctional institutions (%) People in Group quarters - Institutional institutions (%) People in Group quarters - Correctional institutions (%) People in Group quarters - Institutional institutional institutional institution
quarters - Federal prisons and detention centers (%) People in Group quarters - Halfway houses (%) People in Group quarters - Military disciplinary barracks (%) People in Group quarters - State prisons (%) People in Group quarters - Other types of
  correctional institutions (%) People in Group quarters - Nursing homes (%) People in Group quarters - Hospitals/wards, hospices for chronically ill (%) People in Group quarters - Hospitals/wards and hospices for chronically ill (%) People in Group quarters - Hospitals/wards and hospices for chronically ill (%) People in Group quarters - Hospitals/wards and hospices for chronically ill (%) People in Group quarters - Hospitals/wards and hospices for chronically ill (%) People in Group quarters - Hospitals/wards and hospices for chronically ill (%) People in Group quarters - Hospitals/wards and hospices for chronically ill (%) People in Group quarters - Hospitals/wards and hospices for chronically ill (%) People in Group quarters - Hospitals/wards and hospices for chronically ill (%) People in Group quarters - Hospitals/wards and hospices for chronically ill (%) People in Group quarters - Hospitals/wards and hospices for chronically ill (%) People in Group quarters - Hospitals/wards and hospices for chronically ill (%) People in Group quarters - Hospitals/wards and hospices for chronically ill (%) People in Group quarters - Hospitals/wards and hospices for chronically ill (%) People in Group quarters - Hospitals/wards and hospices for chronically ill (%) People in Group quarters - Hospitals/wards and hospices for chronically ill (%) People in Group quarters - Hospitals/wards and hospices for chronically ill (%) People in Group quarters - Hospitals/wards and hospices for chronically ill (%) People in Group quarters - Hospitals/wards and hospices for chronically ill (%) People in Group quarters - Hospitals/wards and hospices for chronically ill (%) People in Group quarters - Hospitals/wards and hospices for chronically ill (%) People in Group quarters - Hospitals/wards and hospices for chronically ill (%) People in Group quarters - Hospitals/wards and hospices for chronically ill (%) People in Group quarters - Hospitals/wards and hospices for chronically ill (%) People in Group quarters - Hospitals/wards and hospice
  hospitals or wards for chronically ill (%) People in Group quarters - Other hospitals or wards for chronically ill (%) People in Group quarters - Mental (Psychiatric) hospitals or wards for drug/alcohol abuse (%) People in Group quarters - Mentally retarded (%) People in Group quarters - Schools, hospitals or wards for the mentally retarded (%) People in Group quarters - Mental (Psychiatric) hospitals or wards for chronically ill (%) People in Group quarters - Mental (Psychiatric) hospitals or wards for chronically ill (%) People in Group quarters - Mental (Psychiatric) hospitals or wards for chronically ill (%) People in Group quarters - Mental (Psychiatric) hospitals or wards for chronically ill (%) People in Group quarters - Mental (Psychiatric) hospitals or wards for chronically ill (%) People in Group quarters - Mental (Psychiatric) hospitals or wards for chronically ill (%) People in Group quarters - Mental (Psychiatric) hospitals or wards for chronically ill (%) People in Group quarters - Mental (Psychiatric) hospitals or wards for chronically ill (%) People in Group quarters - Mental (Psychiatric) hospitals or wards for chronically ill (%) People in Group quarters - Mental (Psychiatric) hospitals or wards for chronically ill (%) People in Group quarters - Mental (Psychiatric) hospitals or wards for chronically ill (%) People in Group quarters - Mental (Psychiatric) hospitals or wards for chronically ill (%) People in Group quarters - Mental (Psychiatric) hospitals or wards for chronically ill (%) People in Group quarters - Mental (Psychiatric) hospitals or wards for chronically ill (%) People in Group quarters - Mental (Psychiatric) hospitals or wards for chronically ill (%) People in Group quarters - Mental (Psychiatric) hospitals or wards for chronically ill (%) People in Group quarters - Mental (Psychiatric) hospitals or wards for chronically ill (%) People in Group quarters - Mental (Psychiatric) hospitals or wards for chronically ill (%) People in Group quarters - Mental (Psychiatric) hospitals or 
 in Group quarters - Schools, hospitals, or wards for the physically handicapped (%) People in Group quarters - Institutions for the blind (%) People in Group quarters - Wards in general hospitals for
 patients who have no usual home elsewhere (%) People in Group quarters - Juvenile institutions (%) People in Group quarters - Juvenile ins
  Group quarters - Residential treatment centers for emotionally disturbed children (%) People in Group quarters - Short-term care, detention or diagnostic centers for delinquent children (%) People in Group quarters - Training schools for juvenile delinquents (%) People in Group quarters - Type of juvenile institution unknown (%) People in Group quarters - Short-term care, detention or diagnostic centers for delinquent children (%) People in Group quarters - Type of juvenile institution unknown (%) People in Group quarters - Training schools for juvenile delinquent children (%) People in Group quarters - Training schools for juvenile delinquent children (%) People in Group quarters - Type of juvenile institution unknown (%) People in Group quarters - Type of juvenile institution unknown (%) People in Group quarters - Type of juvenile institution unknown (%) People in Group quarters - Type of juvenile institution unknown (%) People in Group quarters - Type of juvenile institution unknown (%) People in Group quarters - Type of juvenile institution unknown (%) People in Group quarters - Type of juvenile institution unknown (%) People in Group quarters - Type of juvenile institution unknown (%) People in Group quarters - Type of juvenile institution unknown (%) People in Group quarters - Type of juvenile institution unknown (%) People in Group quarters - Type of juvenile institution unknown (%) People in Group quarters - Type of juvenile institution unknown (%) People in Group quarters - Type of juvenile institution unknown (%) People in Group quarters - Type of juvenile institution unknown (%) People in Group quarters - Type of juvenile institution unknown (%) People in Group quarters - Type of juvenile institution unknown (%) People in Group quarters - Type of juvenile institution unknown (%) People in Group quarters - Type of juvenile institution unknown (%) People in Group quarters - Type of juvenile institution unknown (%) People in Group quarters - Type of juvenile institution unknown (%) People in Group quart
  quarters - Noninstitutionalized population (%) People in Group quarters - College dormitories (includes college quarters - On base (%) People in Group quarters - Barracks, unaccompanied personnel housing (UPH), (Enlisted/Officer), ;and similar group living
  quarters for military personnel (%) People in Group quarters - Group quarters - Transient quarters - Homes (%) People in Group quarters - Military ships (%) People in Group quarters - Homes for the mentally ill (%) People in Group quarters - Military ships (%) People in Group quarters - Homes for the mentally ill (%) People in Group quarters - Military ships (%) People in Group quarters - Homes for the mentally ill (%) People in Group quarters - Military ships (%) People in Group quarters - Military ships (%) People in Group quarters - Homes for the mentally ill (%) People in Group quarters - Military ships (%) People in Group ships (%) People in
  Group quarters - Homes for the mentally retarded (%) People in Group quarters - Religious group quarters - Other group homes (%) People in Group quarters - Agriculture workers' dormitories on farms (%)
 People in Group quarters - Job Corps and vocational training facilities (%) People in Group quarters - Other nonhousehold living situations (%) People in Group quarters - Other noninstitutional group quarters - Other nonhousehold living situations (%) People in Group quarters - Other nonhousehold living situations (%) People in Group quarters - Other nonhousehold living situations (%) People in Group quarters - Other nonhousehold living situations (%) People in Group quarters - Other nonhousehold living situations (%) People in Group quarters - Other nonhousehold living situations (%) People in Group quarters - Other nonhousehold living situations (%) People in Group quarters - Other nonhousehold living situations (%) People in Group quarters - Other nonhousehold living situations (%) People in Group quarters - Other nonhousehold living situations (%) People in Group quarters - Other nonhousehold living situations (%) People in Group quarters - Other nonhousehold living situations (%) People in Group quarters - Other nonhousehold living situations (%) People in Group quarters - Other nonhousehold living situations (%) People in Group quarters - Other nonhousehold living situations (%) People in Group quarters - Other nonhousehold living situations (%) People in Group quarters - Other nonhousehold living situations (%) People in Group quarters - Other nonhousehold living situations (%) People in Group quarters - Other nonhousehold living situations (%) People in Group quarters - Other nonhousehold living situations (%) People in Group quarters - Other nonhousehold living situations (%) People in Group quarters - Other nonhousehold living situations (%) People in Group quarters - Other nonhousehold living situations (%) People in Group quarters - Other nonhousehold living situations (%) People in Group quarters - Other nonhousehold living situations (%) People in Group quarters - Other nonhousehold living situations (%) People in Group quarters - Other nonhousehold living situations (%) People in Group quarters -
 English at home (%) Residents speaking English at home - Born in the United States (%) Residents speaking English at home - Foreign born (%) Residents speaking Spanish at home - Foreign born (%) Residents speaking English at home - Foreign born (%) Residents speaking English at home - Foreign born (%) Residents speaking English at home - Foreign born (%) Residents speaking English at home - Foreign born (%) Residents speaking English at home - Foreign born (%) Residents speaking English at home - Foreign born (%) Residents speaking English at home - Foreign born (%) Residents speaking English at home - Foreign born (%) Residents speaking English at home - Foreign born (%) Residents speaking English at home - Foreign born (%) Residents speaking English at home - Foreign born (%) Residents speaking English at home - Foreign born (%) Residents speaking English at home - Foreign born (%) Residents speaking English at home - Foreign born (%) Residents speaking English at home - Foreign born (%) Residents speaking English at home - Foreign born (%) Residents speaking English at home - Foreign born (%) Residents speaking English at home - Foreign born (%) Residents speaking English at home - Foreign born (%) Residents speaking English at home - Foreign born (%) Residents speaking English at home - Foreign born (%) Residents speaking English at home - Foreign born (%) Residents speaking English at home - Foreign born (%) Residents speaking English at home - Foreign born (%) Residents speaking English at home - Foreign born (%) Residents speaking English at home - Foreign born (%) Residents speaking English at home - Foreign born (%) Residents speaking English at home - Foreign born (%) Residents speaking English at home - Foreign born (%) Residents speaking English at home - Foreign born (%) Residents speaking English at home - Foreign born (%) Residents speaking English Englis
  home - Native, born elsewhere (%) Residents speaking Spanish at home - Foreign born (%) Residents speaking other language at home - Foreign born (%) Residents speaking other language at home - Foreign born (%)
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  Preventive Aspirin Use - Adults 40+ taking low-dose aspirin (%) Reproductive Health - Vaginal deliveries (%) Re
  Health - Women that had a hysterectomy (%) Reproductive Health - Women that have ever taken birth control pills (%) Reproductive Health - Women that have ever taken birth control pills (%) Reproductive Health - Women that have ever taken birth control pills (%) Reproductive Health - Women that have ever taken birth control pills (%) Reproductive Health - Women that have ever taken birth control pills (%) Reproductive Health - Women that have ever taken birth control pills (%) Reproductive Health - Women that have ever taken birth control pills (%) Reproductive Health - Women that have ever taken birth control pills (%) Reproductive Health - Women that have ever taken birth control pills (%) Reproductive Health - Women that have ever taken birth control pills (%) Reproductive Health - Women that have ever taken birth control pills (%) Reproductive Health - Women that have ever taken birth control pills (%) Reproductive Health - Women that have ever taken birth control pills (%) Reproductive Health - Women that have ever taken birth control pills (%) Reproductive Health - Women that have ever taken birth control pills (%) Reproductive Health - Women that have ever taken birth control pills (%) Reproductive Health - Women that have ever taken birth control pills (%) Reproductive Health - Women taken birth control pills (%) Reproductive Health - Women taken birth control pills (%) Reproductive Health - Women taken birth control pills (%) Reproductive Health - Women taken birth control pills (%) Reproductive Health - Women taken birth control pills (%) Reproductive Health - Women taken birth control pills (%) Reproductive Health - Women taken birth control pills (%) Reproductive Health - Women taken birth control pills (%) Reproductive Health - Women taken birth control pills (%) Reproductive Health - Women taken birth control pills (%) Reproductive Health - Women taken birth control pills (%) Reproductive Health - Women taken birth control pills (%) Reproductive Health - Women taken birth control pills (%) Reproduc
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  partners in lifetime (18+) Sexual Behavior - People using protection when performing oral sex (%) Sexual Behavior - Average number of times people have vaginal or anal sex a year Sexual Behavior - Average number of times people have vaginal or anal sex a year Sexual Behavior - Average number of times people have vaginal or anal sex a year Sexual Behavior - Average number of times people have vaginal or anal sex a year Sexual Behavior - Average number of times people have vaginal or anal sex a year Sexual Behavior - Average number of times people have vaginal or anal sex a year Sexual Behavior - Average number of times people have vaginal or anal sex a year Sexual Behavior - Average number of times people have vaginal or anal sex a year Sexual Behavior - Average number of times people have vaginal or anal sex a year Sexual Behavior - Average number of times people have vaginal or anal sex a year Sexual Behavior - Average number of times people have vaginal or anal sex a year Sexual Behavior - Average number of times people have vaginal or anal sex a year Sexual Behavior - Average number of times people have vaginal or anal sex a year Sexual Behavior - Average number of times people have vaginal or anal sex a year Sexual Behavior - Average number of times people have vaginal or anal sex a year Sexual Behavior - Average number of times people have vaginal or anal sex a year Sexual Behavior - Average number of times people have vaginal or anal sex a year Sexual Behavior - Average number of times people have vaginal or anal sex a year Sexual Behavior - Average number of times people have vaginal or anal sex a year Sexual Behavior - Average number of times people have vaginal or anal sex a year Sexual Behavior - Average number of times people have vaginal or anal sex a year Sexual Behavior - Average number of times people have vaginal or anal sex a year Sexual Behavior - Average number of times people have vaginal or a year Sexual Behavior - Average number of times people have year or a year Sexual Behavior - Average
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(%) Taste & Smell - People 40+ having problems with smell (%) Taste & Smell - People 40+ that ever had a loss of consciousness because of a head injury
 (%) Taste & Smell - People 40+ that ever had a broken nose or other serious injury to face or skull (%) Taste & Smell - People 40+ that ever had two or more sinus infections (%) Weight - Average beight (inches) Weight - Average weight (pounds) Weight - Average beight (inches) Weight - Average beight (pounds) Weight - Average beight (inches) Weight - Average bei
  Weight - People trying to lose weight (%) Based on 2000-2023 dataLoading data... Hide US histogram Hi folks, I am new here but have really appreciated the info I have found so far, particularly regarding pool chemistry. Apologize for starting a new thread but couldn't find much via search. I want to air out this idea before I start doing something
 really silly. I bought a home about 21 months ago with a pool/spa combo built around 1995. So far I have converted to salt water, replaced the pump, replaced the pump and pump are pump, replaced the pump are pump are pump are pump are pump.
  When I switched to a new propane supplier, they declared the old pool heater to be a "death trap" and would not connect to it. Sooo... time to redo the heater. I live in Orlando, FL. The plumbing is set up for one pump to drive the spa
  jets. The existing heater could heat pool and/or spa. I have no desire to heat the pool. I am looking for a cost effective way to heat the spa only and I am considering some alternate ideas. Specifically, I would like to use a tankless water heater that typically is used for household water heating and/or hydronic heating. Why, you might ask? I have
  installed two of them before (in normal applications) and have been very impressed. Currently on eBay there is a re-branded Takagi with remote controller available for about $850 (typically about $1400). Input is 199k BTU/hr. They are condensing units so efficiency is >90%. They are small, about the size of a carry on suitcase. As part of the
  implementation, I would install a second pump that would only recirculate the spa through the heater and a bypass valve and back to the spa jets. This would eliminate the need for manually realigning valves and would allow 1 button operation for the spa jets. This would eliminate the need for manually realigning valves and would allow 1 button operation for the spa jets. This would eliminate the need for manually realigning valves and would allow 1 button operation for the spa jets.
  arguments I have seen so far is whether or not a tankless heater can operate for hours at a time and can they handle the chemical environment of pool water. As far as run time goes, they can operate indefinitely and are readily used for hydronic heating. The chemical environment, I'm not so sure. The unit consists of a standard copper heat
  exchanger and a stainless steel heat exchanger. The stainless can handle the acidic condensate on the outside so I think they will be fine with pool water environments and with the pool at ~ 3-4k ppm, it is not nearly as salty as the ocean. Of course the
  ocean isn't running a SWG. I have no idea how aggressive 3-5 ppm free chlorine will be on a copper heat exchanger. But aren't many of the older pool heaters built with copper? Also, there normally won't be any flow through the unit so I think that free chlorine would guickly deplete. For the record, tankless heater manufacturers specifically state
 they are not so be used with pool water. There are at least 2 manufacturers making all stainless tankless heaters but their price point is >$2k. So my questions are: Has anyone out there done something like this? How did it go? Does anyone have specific thoughts or data regarding chlorine and copper heat exchangers? Would it be better for the
 heater to be wet or dry when not in use? i.e. should I make it drain when there is no flow. Am I missing something else in this whole exercise? Thanks in advance for any advice you can offer. -Dave Re: Anyone using a tankless water heater to heat a pool or s Welcome to TFP! Tankless water heaters are designed to produce a large temperature gain on
 a relatively small volume of water. A swimming pool is best served by a very small temperature gain on a very large volume of water. You already have the plumbing, gas, and electricity in place for a conventional pool heater, which is by far your best choice. Re: Anyone using a tankless water heater to heat a pool or s Thanks for the reply. A pool
 heat a pool or s I think your best bet is to spend the money on a real pool heater. Output will be far better or intended use and so let's say the other heater for a kiddie pool, when I took the thing apart for the season, that heater was full
 of crud. I was using bleach only and not salt. I can only imagine that a system that is designed to NOT use salt would only deteriorate fast. Plus if you double down with the real pool heater, you could hit the real pool too, if you wish. Oh, you have 1 1/2 inch lines going through that tankless water heater? That's going to be a serious bottleneck and
  possible flow problem for your pump to over come. Bob E. Re: Anyone using a tankless water heater to heat a pool or s A tankless water heater is not designed to be used in the scenario you want to use it in. Purchase a product that is designed to be used for a spa. In reality you are talking about spending maybe $1600 for a gas pool heater which is
 only double what you are looking to spend now on a tankless. Of course if you are like most DIYers, you probably can find one on craigslist for much less cost. Re: Anyone using a tankless burner to heat 10 or so traditional tank-type water heaters
 3/4 inch hole around 50%. Please don't ruin that expensive tankless unit doing this. I think there are around 11KW, that's what I have. The Coats brand is the same as Raypac and another as I recall. Mine was from Little Giant who also makes baptismal heaters too
  but with a slightly different design. Mine has two 5500 watt submersable heating elements that just sit in the tube and leat not lead a DIY 1 inch insulated top/cover which gave me minimal heat loss. Once uncovered, if it was around
 60 to 65 degrees, around an hour or so you would start noticing that it wasn't quite as warm as it was before (generally 90 degrees). If your spa is bigger or isn't covered, I urge you to bit the bullet and get a gas heater. You will need the additional output to keep it warm. As mentioned before, look on Craigslist. Someone all the time is getting tired of
 feeding their pool and will put a heater on sale. Bob E. Re: Anyone using a tankless water heater to heat a pool or s The things I would be concerned with: At 8pgm, it would be concerned with: At 
 guess) and it takes about 30-40 minutes to heat it up from 60 to 100, that's with a 400K heater. Lets say you get this tankless heater for $850, add in the extra costs for another pump, misc plumbing and vavles and you are looking at $1000 - $1100 cost. Why spend that much when you could get a 200K spa / pool heater that is designed for the
  application for around $1500 -$1600 or less if bought used. The pool heater will last 10 yrs (guess?) while you don't know if the tankless system will last more than a year or two with pool water (could work longer - unknown). Factor in the risk of losing $1100 if it fails quickly, the extra time and $ (propane) to heat the spa, and it doesn't seem worth in the risk of losing $1100 if it fails quickly, the extra time and $ (propane) to heat the spa, and it doesn't seem worth in the risk of losing $1100 if it fails quickly, the extra time and $ (propane) to heat the spa, and it doesn't seem worth in the risk of losing $1100 if it fails quickly, the extra time and $ (propane) to heat the spa, and it doesn't seem worth in the risk of losing $1100 if it fails quickly, the extra time and $ (propane) to heat the spa, and it doesn't seem worth in the risk of losing $1100 if it fails quickly, the extra time and $ (propane) to heat the spa, and it doesn't seem worth in the risk of losing $1100 if it fails quickly, the extra time and $ (propane) to heat the spa, and it doesn't seem worth in the risk of losing $1100 if it fails quickly, the extra time and $ (propane) to heat the spa, and it doesn't seem worth in the risk of losing $1100 if it fails quickly, the extra time and $ (propane) to heat the spa, and it doesn't seem worth in the risk of losing $1100 if it fails quickly.
  to me to save $500. Steve I am in Orlando too and solar for a spa is not reliable heat year round. No heat is going to occur on cloudy days. I am sure using the tankless heater would be a fun and unique project but it has not been tested by enough people to reduce the risk of losing $1000 and still having to buy a heater. Tankless water heaters sold for
  residential hot water heating are designed to produce a relatively large temperature gain on water at a relatively low flow rate. A spa (or pool) needs a relatively small temperature gain on a relatively large flow rate. A spa (or pool) needs a relatively small temperature gain on water at a relatively large flow rate. A spa (or pool) needs a relatively small temperature gain on a relatively large flow rate. The design criteria are very very different. Attempting to use either one in the other context will cause problems. Buy a Proper heater
 and be done with it. Perhaps used as suggested, but the tank-less would be a poor choice. Tankless water heating are designed to produce a relatively large flow rate. A spa (or pool) needs a relatively small temperature gain on a relatively large flow rate. The design
criteria are very very different. Attempting to use either one in the other context will cause problems. ^^ This illustrates the main point regarding the design difference between these two types of heaters as simply as it can be stated. I'm with the consensus on getting a heater that is designed for pools/spas. In this application, a proper pool/spa
  accomplished by some simple plumbing and a little innovation I think its crazy not to. Besides, if we are right and it does work the rest of the world will be doing the same in a matter of time. I give it ten years and people wil lbe saying "hey remember those old clunky pool heaters we used to see" lol The post is about 2 and 1/2 years old. I doubt thisk its crazy not to.
 original poster had much success. Please keep us posted if you install yours. You may save that much money in the short-term but I guarantee you will have to buy multiple tankless water heaters in the lifespan of a typical pool heater. I had to go back to the top to realize that the original post was over 2 years old. This is an off-topic comment but
  what's the policy for closing threads? I have seen a number of very old threads lately getting bumped up because a new post was added. Perhaps it would be a good idea, if possible from the administrative software side, to automatically close posts URL into administrative software side, to automatically close posts URL into administrative software side, to automatically close posts older than 18 months. If it's a topic of interest to someone, they could always copy the posts URL into administrative software side, to automatically close posts older than 18 months.
new post and reference the subject matter that way. So as to avoid being off-topic, I too would add that this is bad idea. Not only are tankless water heaters (hey, pool heaters are "tankless water heaters (hey, pool heaters are "tankless water that way. So as to avoid being off-topic, I too would add that this is bad idea. Not only are tankless water heaters (hey, pool heaters are "tankless" too!!) not designed for spa flow rates, but they are probably not made with materials compatible with pool water salinity levels. SWG or not, pool water typically
 has salinity and mineral levels much higher than what you find in residential water supplies. Therefore, low-grade stainless steel components will easily corrode. This is why pool heaters only use copper, cupronickel or titanium alloys for internal heat exchange components. Page 2 I am actually contemplating doing the same thing. I am putting my
  equipment in my side hard which is only 5 feet from the house to the wall around my property. I picked up a brand new $1200 rheem 200k btu heater for $350. I don't really need it as our house is only 2 years old, but I figured it was a good enough deal that I would buy it. Then I got to thinking about how much room it would free up if I could use it as
 for the pool instead of the house. I considered that it might be a bottleneck, so my solution would be on my variable speed pump so I could control flow as much as I need to. The rheem tankless heaters come with a remote as well so it would be easy to control without
  having to dig around the equipment every time. I might try it out, do some more research first though. But really, a pool heater is just a tankless water heater. I just need to look at how they are both built and what materials are used, see what all the differences are between the two. For a lot of people it wouldn't make sense, but I can get these cheap
  enough that I can buy 6 of them before I catch up to what my Jandy LXI will cost. Good luck. You'll probably burn the unit out. These whole house tankless heaters are not made for the type of flow a pump puts out nor for the amount of time they run. These whole house tankless heaters are not made for the type of flow a pump puts out nor for the amount of time they run. These units are design for small bursts per say and not constantly on. Also consider the chemicals in
 the pool water vs household water. Re: Anyone using a tankless water heater to heat a pool or s Curious how much you use it? I'm also having a spa installed that is 7x7 with 6 jets and a 400k btu heater. I was estimating $10 per day to operate 5-6 hours, but was pulling that number from my behind.
  Re: Anyone using a tankless water heater to heat a pool or s Curious how much you spend a month heating the spa and how much you use it? I'm also having a spa installed that is 7x7 with 6 jets and a 400k btu heater. I was estimating $10 per day to operate 5-6 hours, but was pulling that number from my behind. To get an accurate idea of cost to
 run the heater, get your last gas bill out and look at the number of therms you used and the total bill cost. Simple math will get you the cost per therm. Your 400,000 BTU heater uses 4 therms per hour. Do you get any efficiency by
 running it longer. I'm guessing you will use constant energy while heating the water for the first 30 minutes, but then it will go into a maintain where the temperature is dropping a couple of degrees from the spa to the heater. To get an accurate idea of cost to run the heater, get your last gas bill out and look at the number of therms you used and the
 total bill cost. Simple math will get you the cost per therm. Your 400,000 BTU heater uses 4 therms per hour. The output on these house tankless water heat exchanger's aren't large enough to allow proper flow. Remember, these units are designed for low flow. I will give a try on my own
pool, down to SoCal area, we've been thinking the same idea for pool heating since we are limited from changing gasline pipe size. if it does not work for the pool (22,000Galon) I would just use it to upgrade my residence old tank heater. I would just run the hot water straight to my pool from the heater, so it doesn't cause any trouble to the pump flow
 rate. if water level gets to high, I will just use backwash to discharge some water, (also do my backwash), it doesn't cause that much money now days for the tankless heater, so it will be interesting to see, if it's working or not. I will keep you guys posted. I will give a try on my own pool, down to SoCal area, we've been thinking the same idea for pool
 heating since we are limited from changing gasline pipe size. if it does not work for the pool (22,000Galon) I would just run the hot water straight to my pool from the heater, so it doesn't cause any trouble to the pump flow rate. if water level gets to high, I will just use backwash to discharge
  some water,( also do my backwash), it doesn't cause that much money now days for the tankless heater, so it will be interesting to see, if it's working or not. I will keep you guys posted. Are you saying you are not going to run fresh water through the heater into the pool. This is not going to work
  very well for a variety of reasons. If you can't change pipe size, then can you run at higher gas pressure? One way to deal with a smaller diameter pipe is to have higher pressure gas down to the 7-10 WC needed to feed the
  heater. It costs money to do because you need a licensed gas plumber to set it up right but it should be doable unless the gas company or local regulations forbid it... If you can't change pipe size, then can you run at higher gas pressure? Matt has a very good idea here, check it out most utilities localities go this way now. If you go with a tankless
  water heater to heat your pool you may be sorely dissappointed as most hot water tank will help with over night heat loss but not much more. Yes tankless water heater using propane a great way to heat your spa. I am
  using a surflow 2gpm rv pump that requires 5amps of power. It is connected to a 6amp laptop charger. I am then using a propane 2gpm tankless water heater to 104°F within 2-3hours. All of this, tankless water heater, hoses, laptop charger, I am then using a re 1/2 inch od. I am able to heat my 220 gallon hot tube using a propane 2gpm tankless water heater. The hoses i am using are 1/2 inch od. I am able to heat my 220 gallon hot tube using a propane 2gpm tankless water heater.
  surflow pump, clamps, propane hideaway, propane tank only costed me approx $150!! This setup is still running true coming onto 14months and have refilled the propane is definitely a great way to heat your spa espcially if it will cost
                                                                                                                                                                                                                   "No Copyrighted Material" Moderated forums: World, Europe, United Kingdom, Texas, Corpus Christi, El Paso, Tyler, Lubbock, Houston, San Antonio, Tallahassee, Minnesota, Fish, Home Interior Design and Decorating, Science and Technology, Green Living Need
 help? Click on this: >>> ToS, Mod List - US/World, Mod List - General Forums, Rules & FAQ's, Guide, CD Home page, How to Search, Realtor Advice Last edited by Yac; 11-08-2017 at 07:34 AM.. This was a recent thread on the perfect pool temperature. My question is what does the temperature of the air need to be to use your pool. This is probably
dependent on how you use your pool. My wife will swim laps down to a low air temperature of 60F. She swims her laps at 5:00am before work. On the weekends, she likes to float in a foam chair in the pool with a drink in her hand. The minimum air temperature needs to be above 75F and preferably above 80F. These air temperatures dictate when we
 close our pool in the fall and when we start using it in the spring. It doesn't matter if the water temperatures for lap swimming or floating, we don't use the pool. Your water temp will be the most important factor. They have outdoor pools at ski resorts because the water is heated.
 If it is 70 and sunny in Spring, you could easily float for a tan in April if your water is above 80. If the air temp is 85 but your water is above 80. If the air temp is 85 but your water is above 80. If the air temp is 85 but your water is above 80. If the air temp is 85 but your water is above 80. If the air temp is 85 but your water is above 80. If the air temp is 85 but your water is above 80. If the air temp is 85 but your water is above 80. If the air temp is 85 but your water is above 80. If the air temp is 85 but your water is above 80. If the air temp is 85 but your water is above 80. If the air temp is 85 but your water is above 80. If the air temp is 85 but your water is above 80. If the air temp is 85 but your water is above 80. If the air temp is 85 but your water is above 80. If the air temp is 85 but your water is above 80. If the air temp is 85 but your water is above 80. If the air temp is 85 but your water is above 80. If the air temp is 85 but your water is above 80. If the air temp is 85 but your water is above 80. If the air temp is 85 but your water is above 80. If the air temp is 85 but your water is above 80. If the air temp is 85 but your water is above 80. If the air temp is 85 but your water is above 80. If the air temp is 85 but your water is above 80. If the air temp is 85 but your water is above 80. If the air temp is 85 but your water is above 80. If the air temp is 85 but your water is above 80. If the air temp is 85 but your water is 85 but y
 is warm enough, you just wrap up in a towel when you get out. Of course, this is all personal preference. My wife will not touch the pool until the water temp will be the most important factor.
 They have outdoor pools at ski resorts because the water is heated. If it is 70 and sunny in Spring, you could easily float for a tan in April if your water is above 80. If the air temp is 85 but your water is still 65, I don't think you will want to float or swim very long. Dew point will also be a factor when you get out of the pool. Dry Arizona air at 75 is
  going to feel a lot different than 75 in the South in Spring. If your water is warm enough, you just wrap up in a towel when you get out. Of course, this is all personal preference. My wife will not touch the pool until the water temp is only 70. I've
  floated in 87F water with the air temperature at 70F. It is not fun. My floating has half of my body wet and above the water line. As I mentioned in my original post, it is dependent on how you use your
 pool. We do not use our pool for submersion purposes where only our head is above the water. Last edited by a moderator: Apr 22, 2021 Sure. Sorry I got a little grumpy. I've still a little sick from my second Covid shot. Nice edits to my posts. I approve. Reactions: Leebo My son & his friend swam this past weekend- pool temp 65 - air temp about the
  same. I don't recommend it. They bounced back & forth between the pool & the hot tub for an hour or so. I think I would say "sure! Go ahead!" As we all donned our jackets. I personally won't be in until the water is in the upper 70's & its a hot day.
 Generally speaking, I'll swim at air temp of 70 and water temperature also above 70 as long as the sun is shining. With water in the 80s, I'll swim at any air temperature. A hot tub on a 20 degree day is heavenly. My son & his friend swam this past weekend- pool temp 65 - air temp about the same
  I don't recommend it. They bounced back & forth between the pool & the hot tub for an hour or so. I think it was more for a thrill than actually really wanting to swim (11 yr old boys) & they didn't think I would say "sure! Go ahead!" As we all donned our jackets. I personally won't be in until the water is in the upper 70's & its a hot day. You lost me at
  65 and jackets. I was working outside today in short sleeves in the lower 50's. Although swimming at 65/65 still sounds a little chilly for me. Reactions: Mdragger88 I think like CSI there needs to be a calculation is .5*airtemp+watertemp=K
 What is your K? At least upper 70s, preferably 80+ for me. Any lower than that said, I'm a big fan of summer night swims when the water feels better/warmer than the air. Depends on the dewpoint. Dewpoint in the 40's/50's
 then closer to 80. Dewpoint in the 60's to 70, then closer to 70. These assume little to no wind. I don't like swimming in any air-temp below around mid-80s. This is why we generally do not like swimming in the shoulder months. I can heat the pool to 90 but with air-temps being cold it isn't enjoyable for any of us. Alfredo Llorente, Ph.D. Student
  Human Geography Since the beginning of the past century, geography has tried to expand its research areas to explore new fields where spatial analysis and data production between crime and geography and start a new way to spatially
  analyze delinquency, principally in the urban areas. It was the beginning of the geography of crime. Researchers including David Herbert, Keith Harries and Oscar Newman tried to investigate the distribution and evolution of the crime patterns from multiple fields, where official statistics (police data records) were used as the base of every analytical
  study (as the positivist school advocated). Theoretical positivist arguments were not valid for the critical criminology. Statistics from official data could be punished after a new law was passed. Urbanism applied to crime prevention was another
  tool used to investigate the spatial spread of delinquency. Oscar Newman was its primary advocate, and wrote a guideline about these issues. Each of these areas has been the correlation between weather and high or
  low crime rates. "The majority of the literature that has investigated the relationship between weather and crime support the theory that weather and field setting research to link temperature to aggressive behavior" (Muyarama and
  Gutierrez; 2013). The investigations into how weather influences the crime rate have used climate conditions including humidity, precipitation, wind and Snow intensity. For example, the study of the "Santa Ana" winds in Los Angeles by Miller (1968) and Cohn (1988) reveals that "there were significantly more homicides on 'Santa Ana' days than would
 be expected" (Cohn; 1990). Using this approach, researchers tried to show how some weather activities could affect the crime rates in the area of Orlando, Florida. For this study, they utilized the two most significant climate conditions: rain and temperature. Relationship between precipitation and crime rates: The correlation between crime rates and
  precipitation is not very significant. Feldman and Jarmon (1979) or Perry and Simpson (1987) did not find any significant correlation between this weather factor and some specific criminal acts, such as rapes and homicides, in the total monthly or daily amount. They did, however, notice a positive correlation between rain and robbery. (DeFronzo,
  1984). Relations between temperature and crime rates: Temperature is the most common climatic criteria used to analyze the correlation between temperatures have noticeably impacted human behavior. Boyanowsky references a study in 1981 where he analyzed the relations
  between extreme high and low temperature conditions and criminals' reactions to these environmental conditions. "Under uncomfortably hot, subjects took longer to respond" (Cohn; 1990). Boyanowsky performed more correlation
 analysis with specific crime typologies. Hot temperatures are a better environment to commit nonviolent crimes, while warm weather violent acts are less common. Non-aggression assaults and property crimes, such as theft or burglary, present a stronger correlation with hot temperatures than in winter. Murataya and Gutierrez theorized that with
  presents the variations in crime rates, precipitation and temperature. There is a continuous descent of the crime rate from 2000 to 2011 and an irregular precipitation ascension. These factors have an inverse trajectory, with an exception between 2002 and 2004, when the two rates showed a parallel decrease. The correlation between temperatures
  and crime rate does not exhibit any deep result, but it has to be mentioned that when temperature decreases (2000-2003 and 2007-2010) the crime rate is reduced. Studying each weather variable separately and correlation shows the follow conclusions: Precipitation: Both crime rate is reduced. Studying each weather variable separately and correlating it with property and violent crimes shows the follow conclusions: Precipitation: Both crime rate is reduced. Studying each weather variable separately and correlating it with property and violent crimes shows the follow conclusions: Precipitation: Both crime rate is reduced. Studying each weather variable separately and correlating it with property and violent crimes shows the follow conclusions: Precipitation: Both crime rate is reduced. Studying each weather variable separately and correlating it with property and violent crimes shows the follow conclusions: Precipitation: Both crimes shows the follow conclusions: Both crimes show
  the same tendency - between 2000 and 2004 the number of rainy days increases, while the violent and property crime rates decrease. Temperature: The number of days per year with temperatures higher than 95 degrees Fahrenheit
  (mm for precipitation; Pf for temperature). References-Butke, P.; Sheridan, S.; "An Analysis of the Relationship between Weather and Crime"; BRIT. J. CRIMINOL. Vol. 30 No. 1 WINTER 1990; 51-64-Gamble, J.; "Temperature and Aggressive Crime in Cleveland, Ohio"; American Meteorological Society; 2010; 127-139-Cohn, E.; "Weather and Crime"; BRIT. J. CRIMINOL. Vol. 30 No. 1 WINTER 1990; 51-64-Gamble, J.; "Temperature and Crime"; BRIT. J. CRIMINOL. Vol. 30 No. 1 WINTER 1990; 51-64-Gamble, J.; "Temperature and Crime"; BRIT. J. CRIMINOL. Vol. 30 No. 1 WINTER 1990; 51-64-Gamble, J.; "Temperature and Crime"; BRIT. J. CRIMINOL. Vol. 30 No. 1 WINTER 1990; 51-64-Gamble, J.; "Temperature and Crime"; BRIT. J. CRIMINOL. Vol. 30 No. 1 WINTER 1990; 51-64-Gamble, J.; "Temperature and Crime"; BRIT. J. CRIMINOL. Vol. 30 No. 1 WINTER 1990; 51-64-Gamble, J.; "Temperature and Crime"; BRIT. J. CRIMINOL. Vol. 30 No. 1 WINTER 1990; 51-64-Gamble, J.; "Temperature and Crime"; BRIT. J. CRIMINOL. Vol. 30 No. 1 WINTER 1990; 51-64-Gamble, J.; "Temperature and Crime"; BRIT. J. CRIMINOL. Vol. 30 No. 1 WINTER 1990; 51-64-Gamble, J.; "Temperature and Crime"; BRIT. J. CRIMINOL. Vol. 30 No. 1 WINTER 1990; 51-64-Gamble, J.; "Temperature and Crime"; BRIT. J. CRIMINOL. Vol. 30 No. 1 WINTER 1990; 51-64-Gamble, J.; "Temperature and Crime"; BRIT. J. CRIMINOL. Vol. 30 No. 1 WINTER 1990; 51-64-Gamble, J.; "Temperature and Crime"; BRIT. J. CRIMINOL. Vol. 30 No. 1 WINTER 1990; 51-64-Gamble, J.; "Temperature and Crime"; BRIT. J. CRIMINOL. Vol. 30 No. 1 WINTER 1990; 51-64-Gamble, J.; "Temperature and Crime"; BRIT. J. CRIMINOL. Vol. 30 No. 1 WINTER 1990; 51-64-Gamble, J.; "Temperature and Crime"; BRIT. J. CRIMINOL. Vol. 30 No. 1 WINTER 1990; 51-64-Gamble, J.; "Temperature and Crime"; BRIT. J. CRIMINOL. Vol. 30 No. 1 WINTER 1990; 51-64-Gamble, J.; "Temperature and Crime"; BRIT. J. CRIMINOL. Vol. 30 No. 1 WINTER 1990; 51-64-Gamble, J.; "Temperature and Crime"; BRIT. J. CRIMINOL. Vol. 30 No. 1 WINTER 1990; 51-64-Gamble, J.; "Temperature and Crime"; BRIT. J. CRIMINOL
  Violent Crime in Dallas, Texas: Relationships and Implications of Climate Change Janet L."; Western Journal of Emergency Medicine; Volume XIII, NO. 3: August 2012; 239-246-Murataya, R.; Gutierrez, D.; "Effects of Weather on Crime"; International Journal of Humanities and Social Science Vol. 3 No. 10 [Special Issue - May 2013]-Ranson, M.
 Crime in Los Angeles"; Department of Economics at Amherst College; 2011 //weather-warehouse.com/Weather Data_Orlando_FL_January.html Tweet Share 0 Reddit +1 LinkedIn 0 Email Discuss this article on our forum with over 1,900,000 registered members. Alfredo Llorente, Ph.D. Student Human
 Geography Currently, Alfredo is pursuing a Ph.D. in Human Geography of Crime: Alcala de Henares case"). He has a degree in Geography, Urbanism and Land Planning from the University of Cantabria and
  specialized in the fields of Sustainable Tourism (dissertation at the Universita Degli Study di Milano), Sustainable Development and Climate Change), Transport Planning (Investigation project at Politectico di Milano) and Urban Planning (Master in Land Planning). Alfredo
  has studied the crime geography field during the last six years and has written research publications in this field. He has seven years of experience in the cartographic tool in collaboration with his actual job. We get morning sun,
 until around 3 pm, but the hottest part of the day here in is around 4-5 pm. If I want to heat the pool (no pool heater), would it be better to run the filter for 8 hours from 8-4 to take advantage of the sunshine, or from 12-8 to take advantage of the warm air temps? Thanks! I don't think it would matter ... the pool water will get the same amount of sur
either way. You will only be really getting any heat significant heat addition when the sun is on the pool. The use of a cover would help prevent heat loss to evaporation when the sun is not on the pool. BTW: You may not need to be running for 8 hours per day anyway. Might save money with a shorter run time: pool-school/pump run time Thanks,
Jason I'm thinking if I run the pump while the surface of the water is being heated (either by sunlight or by ambient temperature), then mixing the water will move the water is not mixing. Another way of thinking of it is that
I'm trying to bring the cooler water from the deeper parts of the pool up to the surface to be warmed. But you might be right in that it might not have any significant effect. As for pump run time, I'm not running it on high the whole time. I'm running for 7 hours on low and 1 hour on high (for the pool sweep). This seems to work pretty well for our
pool. And I think our energy usage is pretty low. Mixing the water when the sun is on it may better equalize the water temp through the depth, but I do not think it would result in more heat addition to the water temp through the depth, but I do not think it would result in more heat addition to the water temp through the depth, but I do not think it would result in more heat addition to the water temp through the depth, but I do not think it would result in more heat addition to the water temp through the depth, but I do not think it would result in more heat addition to the water temp through the depth, but I do not think it would result in more heat addition to the water.
 physics background chimes in with an answer I don't fully understand, I'll compromise and go from 10-6, running on high from 2-3. Thanks again, Jason! You are in a big enough market, that you may be about the same but the heat loss could be
slightly worse without the pump running because the water temperature at the surface would be slightly higher and thus evaporation would be higher. However, if you have a cover, then it shouldn't matter much. The sun is whats going to heat the pool not the fact that it's warm outside. A pool without any direct sun but with warm temps doesn't
really get warm at all. You need the direct sun light. Also adding a solar blanket will at least keep the heat in once it gets to your pool water. If you put a glass of water in direct sun light will heat up. Thanks, Paul. That's the kind of answer I was looking for. What do
you think about running the pump to circulate the water when the sun's hitting it? Would that help heat the pool faster? Unless you have an external heat source like solar panels, heat pump, or gas heater you will not heat the pool faster? Unless you have an external heat source like solar panels, heat pump for 8 to 10 hours a day and keep a solar blanket on it to keep
in whatever heat you get from the sun. Certainly running the pump while the sun is directly on will help but you're only going to get so much heat from it. Here in FL, a pool heated only by the sun, it won't be till probably late May early June before the water is mid to upper 80's. Might not even be till late June depending on how much sun the pool
gets. Right now pool temps are running in the upper 70's. If you put a glass of water in direct sun and another one in the shade with the outside temp being 85, the water in direct sun light will heat up as long as the one in the shade has a lower water temperature than the air and/or environment. The one in the sunlight just
 heats much faster and to a higher temperature. There are four basic methods of heat transfer for a pool (both heat gain and heat loss): Radiation - Sunlight hits the environment for heat loss even during the day. Evaporation/condensation - Water temperature higher than
the dew point will lose heat via evaporation while water temperature lower than the dew point will gain heat with condensation. Convection depending on the temperature difference of the water and air. Conduction - This will occur through the shell of the pool and can again
be a net positive or negative depending on the water temperature and ground temperature and ground temperature. For a pool, this is usually a heat loss component. All four components of heat transfer are always present in a pool. However, evaporation can be significantly reduced with a solar cover and helps with convection and radiation as well. But as I pointed out
 earlier, you can reduce the heat loss slightly with circulation during the day, the surface water can become warmer than if the pump where running. Therefore the
evaporation component of heat loss can be higher without the pump running. It's rare but there have been alligators in WMS. I remember one a few years back that had to be caught before opening up to swimmers. The springs are very high in minerals which most wildlife don't like. An alligator could survive for a while I
guess, but there's not much food for them to eat. My GF wore one of those silver tennis bracelets into the springs once, and within 10 minutes all the silver turned black from the minerals.
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