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Tiny Houses, and the Not-So-Tiny Questions They Raise

By Donald L. Elliott, FAICP, and Peter Sullivan, AICP

Where did they come from—those cute little "cabins-on-wheels" that you see being pulled down the road or sitting on a lot?

With wood siding, a pitched roof, gable windows . . . and even a porch with a railing. All that's missing is the dog in the yard (presumably a small dog in a small yard).

Tiny houses are the latest vehicle/structures to join the small house movement, and are now trending due to television programs like *Tiny House Nation*. Many individuals and couples seem proud to say they live a small but sophisticated lifestyle in less than 500 square feet. Often their stated motivation is to declutter and live a simpler life—maybe even a life "off the grid."

Cuteness aside, tiny houses raise some interesting questions for planners. Questions like . . .

"Is this a house, or a trailer, or . . . just what is it?"

"Would this qualify as an accessory dwelling unit?"

"Does this meet the residential building code?"

"Where should we allow this to be parked . . . or occupied . . . and for how long?"

This article attempts to answer some of those questions for the types of small, trailer-mounted units described above. The sections below review how these units fit into the general U.S. system of land-use control through building codes, zoning ordinances, subdivision regulations, and private restrictive covenants. In addition to addressing individual tiny homes, we also address how small communities of tiny homes might be created.

"Tiny house, Portland" by Tammy (Weekend with Dee), Wikimedia (CC-by-2.0)

Most localities have no specific provisions in their subdivision or zoning codes to accommodate small trailer-mounted homes outside of recreational vehicle parks.

WHAT ARE THEY?

What are tiny houses? The answer is simpler than you think. They're recreational vehicles (RVs), and a careful read of the manufacturers' websites makes that clear. One manufacturer, Tumbleweed Tiny House Company, states that their product is "an RV like you've never seen before."

For planners, this makes things simpler. The question then becomes, "Where do we allow RVs to be occupied?" Traditionally, the answer has been campgrounds (for temporary living) and RV parks (for longer-term living). Most communities typically limit temporary RV occupancy (in a campground or elsewhere) to 30 days, and the logic behind this is that RVs are not permanent dwellings. They have electric systems and water tanks and sewage tanks (or composting toilets) that can only operate for a while before they need to be hooked up to support systems or emptied.

But this answer doesn't satisfy everyone, especially tiny-house proponents and anyone else interested in living smaller, more simply, and (presumably) more affordably (more on that later).

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"Tiny House Giant Journey in the Petrified Forest and an RV" by Guillaume Dutilh, Wikipedia (CC-by-SA-4.0)

This tiny house is the star of its own YouTube channel, Tiny House Giant Journey.

Here's why tiny houses are so tricky. Although tiny houses are not generally designed for permanent occupancy, some of them are being purchased by people who intend to use them that way. Most zoning ordinances don't resolve this tension, because they don't address where or how tiny houses can be used for long-term or permanent occupancy.

BUILDING AND OCCUPANCY CODES

With the exception of some very rural communities, most cities and counties require that long-term or permanent residential units meet either the locally or state-adopted residential building code (usually some version of the International Residential Code), or the U.S. Department of Housing and Urban Development (HUD) national standards for manufactured housing safety. Since manufactured homes are obviously not constructed like stick-built housing—and since (unlike stick-built housing) they can be moved across state lines in interstate commerce—back in 1974 HUD adopted national safety standards for this type of housing. As a general rule, residential units for long-term occupancy need to meet one of these two sets of standards.

Unfortunately for many purchasers, some tiny houses do not meet these requirements. While tiny houses might meet the Recreational Vehicle Industry Association (RVIA) safety standard for highway travel and temporary living, these standards are not the same as the HUD manufactured housing standards for permanent living. In fact, the website for CAVCO (a manufacturer of "park model" recreational vehicles—which are similar to and sometimes include tiny houses)—states that these vehicles "are not intended for, nor should they be used for, anything other than recreational camping or seasonal use. They are not permanent residences and should not be used as such."

For those intending to live in their tiny house full time, the trick is to find a tiny house that not only meets the RVIA standards but also the residential building code or manufactured housing standards.

For those intending to live in their tiny house full time, the trick is to find a tiny house that not only meets the RVIA standards but also the residential building code or manufactured housing standards. Or to look for a community that has adopted a building code allowing long-term occupancy of tiny houses. Some communities have done this, and in many communities the ability to use a tiny house for long-term occupancy turns on whether it will be mounted on a permanent foundation and connected to utilities.

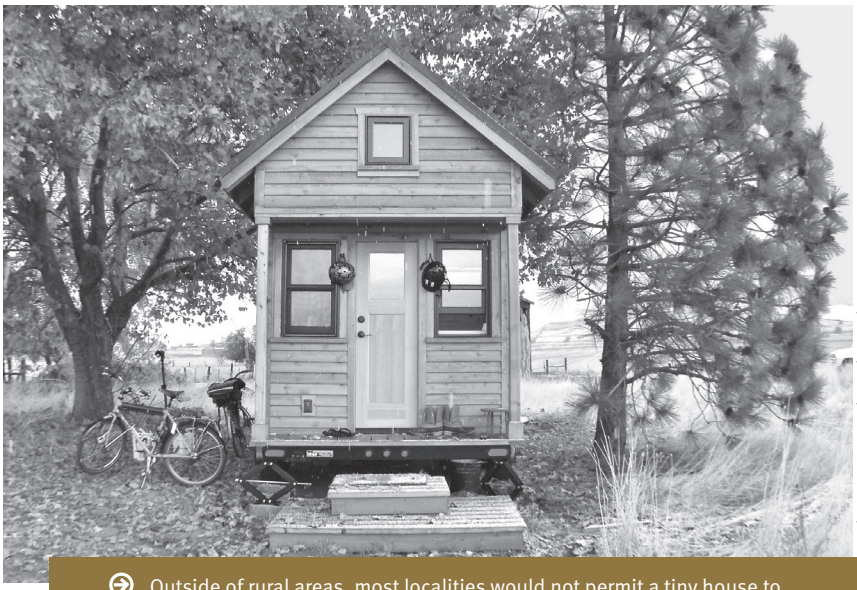
FOUNDATIONS MATTER

Let's assume a potential buyer doesn't want to install a tiny house in a campground or RV park, but rather a traditional residential lot. Some communities allow this if the owner removes the wheels (and sometimes the axles); installs the unit on a permanent foundation (or at a minimum uses secure tie-downs); and connects the unit to public water, sewer, and electric systems.

The logic behind these requirements is that they convert a mobile housing unit into a stationary unit, protect against "blowovers" and other wind-related damage (to the occupants and to neighboring property owners), and make the utility systems safe for long-term operation.

As an example, the small community of Spur, Texas, (population 1,245) has marketed itself as the "First Tiny House Friendly City." Spur permits tiny houses to be used as permanent, primary dwellings by creating an exception to the general building code/manufactured home standard compliance requirement. However, even in this deliberately welcoming community, wheels must be removed, a foundation must be constructed, and the unit tied to the foundation with "hurricane straps," and the unit must be hooked up to local sewer, water, and electric systems. In one well-documented case the cost of the foundation and connections came to about $5,700 (Mccann 2015). In some Spur zoning districts, tiny houses are permitted by right, but in others a variance is required.

Again, there are exceptions. A tiny-house owner might be successful living an off-the-grid lifestyle in areas that are literally far from the grid. In some very rural communities, stick-built



"Fall and winter, side by side" by Tammy Strobel, Flickr (CC-by-2.0)

Outside of rural areas, most localities would not permit a tiny house to serve as a primary dwelling unit unless it was mounted on a permanent foundation and connected to local utilities.

homes do not need to connect to water and sewer systems (i.e., they permit well and septic systems) or electric systems (i.e., they allow off-the-grid power), and those communities would presumably allow the same exceptions for tiny houses.

NOW, ABOUT THOSE ZONING RULES

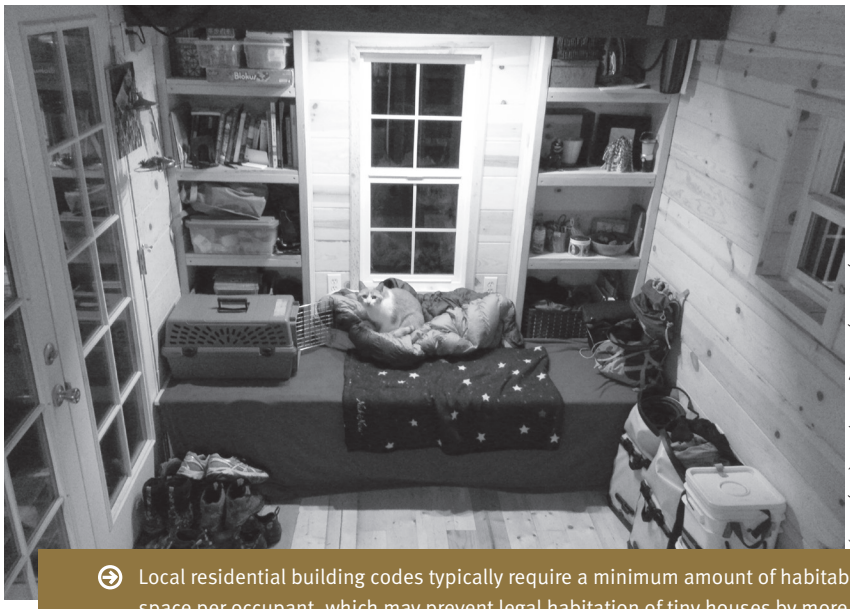
So, if a buyer doesn't want to live in an RV park, *and* is willing to remove the wheels, install a foundation, and connect to utilities, *and* the local government allows long-term occupancy of tiny houses under those conditions, where can the unit be located? The answer depends on local zoning regulations. Most zoning ordinances do not list tiny houses by name; they simply treat them like other housing uses.

For a tiny house to be used as a primary dwelling unit (i.e., there is no other house or primary use on the property), the question is whether the lot is zoned for single-family homes and whether the tiny house meets any minimum size requirements for houses in that zone. Most zoning codes across the U.S. do not include minimum floor space requirements for single-family homes. But some do, and that can be a barrier to installing tiny houses. Generally this occurs when a residential neighborhood has been developed for—or with—large homes, and some of the lots already have large homes on them. In those circumstances, the local government or neighborhood residents may want to protect against the remaining lots being occupied by smaller homes that they fear will reduce the neighborhood quality or character. Some communities, for example, have adopted minimum width or length-to-width requirements for single-family homes in an attempt to keep "single-wide" manufactured homes out of neighborhoods where the housing stock is of a different character. Those requirements would likely prohibit the installation of a tiny house, despite their charming appearance.

Whether this is fair to the tiny-house (or manufactured home) buyer, and whether it represents sound land-use policy, are emerging issues for debate. Minimum residential size limits are already in poor repute these days because they tend to drive housing prices up; however, these types of requirements are generally not illegal.

One work-around for the eager tiny-house buyer may be to install a tiny house as an accessory dwelling unit (ADU) (i.e., a second housing unit on a lot that already has a primary housing unit or another primary use of land). While ADUs are a fairly recent development, an increasing number of zoning ordinances now address where and under what conditions an ADU can be installed. Again, since most zoning ordinances do not address tiny houses by name, the question is whether your tiny house meets the requirements applicable to other forms of ADUs. One threshold question is whether the community allows detached ADUs or only allows internal ADUs constructed within the building envelope of an existing home. If the latter is true, a tiny house ADU will not be allowed. If the community allows detached ADUs, they often attach conditions like the following:

- Either the primary housing unit or the ADU must be occupied by the owner of the land.
- The ADU must not exceed a maximum size (generally 400 or 600 or 800 square feet).
- An extra on-site parking space for the ADU occupant may be required.



"Tiny house" by Tomas Quinones, Flickr (CC-by-SA-2.0)

Local residential building codes typically require a minimum amount of habitable space per occupant, which may prevent legal habitation of tiny houses by more than one person.

- The ADU may not be allowed to have its entrance door facing the street.
- The part of the lot containing the ADU cannot be carved off and sold as a separate lot.
- If the tiny house can meet these requirements, it may be acceptable as an ADU, even if it would not be approved as a primary home on the same lot. In some cases, however, ordinances that allow detached ADUs limit them to existing structures like carriage houses, garages, or barns, which would prohibit tiny-house ADUs.

Finally, it is important to realize that most communities apply the same building, foundation, and utility requirements to ADUs that they do to primary structures. So if the question is, "can I park my tiny house in my parents' backyard and live in it without installing a foundation or hooking up to utilities?" the answer is probably *no*. Long-term occupancy of a recreational vehicle in a residential zone district (say, for more than 30 days) is usually illegal regardless of whether you have the property owner's consent or you are related to them.

So tiny-house owners need to be thoughtful about where they intend to install the unit, and need to read the zoning ordinance carefully to ensure it is allowed in the area where they want to live. The good news (for planners) is that it is fairly easy to review the existing zoning code and see whether the code permits tiny houses as primary units or ADUs in those locations where the community wants to allow them. Planners might also want to promote more permissive regulations if the community is ready to remove a potential housing barrier.

"Tiny house" by littlenemo, Flickr (CC-by-NC-SA 2.0)

This tiny house, with a bathroom and a sleeping loft, serves as an accessory dwelling unit.

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OTHER POTENTIAL BARRIERS

OK. So you have decided that your community wants to allow long-term occupancy of a tiny house, and you have modified the zoning ordinance to clarify where they are allowed. There are still three other potential barriers to think about.

First, unless you want to install the tiny house in a very rural area, the parcel of land where the tiny house will be located generally needs to be a subdivided lot. Subdivision regulations ensure that each parcel of land that will be developed with something other than open space or agriculture has access to a street and has utilities in place (if utilities are required in that location). This could be an issue if the tiny-house owner wants to buy 1,000 square feet of land from a property owner—just enough to accommodate the tiny house and a "livin' small" lifestyle—but the subdivision regulations require a minimum lot size of 5,000 square feet. Or it could be an issue if the tiny house must be connected to utilities but the land in question does not yet have utilities in place to connect to.

Second, the community should probably advise the tiny-house owner to check that private restrictive covenants attached to the land do not prohibit tiny houses in that area. Again, *tiny house* will probably not be listed by name, but it is not uncommon to find private covenants that contain minimum house size requirements even if the zoning ordinance does not. While it is generally not the city or county planner's job to check on the existence of private covenants when issuing a zoning approval or a building/installation permit, and local governments are generally not responsible for enforcing those covenants, advising the tiny-house owner to check on this is just good customer service. In the end, the fact that the city or county issues a permit to install a tiny house with a foundation does not protect the owner against a suit from other property owners pointing out that the tiny house does not meet restrictive covenant minimum-size requirements.

Third, even if neither the zoning ordinance nor private restrictive covenants prohibit the tiny house because of its size, many communities have residential occupancy codes to prevent overcrowding. While occupancy codes vary, it is not uncommon to find a requirement that the unit contain 125 square feet of living area per occupant, or that it not contain more than two occupants per bedroom. That could be a problem if the owner intends to house his or her family of four in a 400-square-foot tiny house, no matter how well they get along. Since occupancy of the unit may change in the future (the owner's out-of-work cousin may move in), it is hard to ensure against overcrowding when the installation permit is issued, but making the owner aware of these requirements is good customer service.

WHAT ABOUT A TINY HOUSE COMMUNITY?

What about a whole group of folks (or a developer) who want to create an entire neighbor-

hood of tiny houses as a source of affordable housing, or just to accommodate a different lifestyle?

That is a bit tougher. While the Internet has many stories of individuals or property owners intending to create tiny house communities, it seems that few if any have been created to date. And some of the existing communities have been created for unique reasons and through "one-off" procedures.

For example, places like Opportunity Village in Eugene, Oregon, or Quixote Village in Olympia, Washington, have been created as alternatives to homeless camps in or near the same location. In both cases, it appears that the local government adopted a contract or resolution approving the use of land for tiny houses without requiring it to comply with some standard utility or construction requirements precisely because it would house very low-income households under better living conditions than the occupants had previously. While inspiring as initiatives to address the challenges of housing affordability and homelessness, both of these examples required individualized negotiations and agreements to vary from normally applicable public health and safety standards—flexibility that might not have been approved for a market-rate housing development.

However, there are at least three different ways in which a tiny-house community for the general public could be created—each modeled on an existing form of land-use approval. The choice of an appropriate tool turns heavily on the question of whether you intend the occupants to be able to sell the house and the piece of land it occupies to someone else in the future.

Andrew Heben

Quixote Village in Olympia, Washington, provides housing for 30 previously homeless adults. Photo from *Tent City Urbanism: From Self-Organized Camps to Tiny House Villages* by Andrew Heben.

A Tailored Zoning and Subdivision of Land

If tiny-house owners are going to be able to sell their lots and homes to others, then the community will need to be subdivided into individual lots, and those lots will need to meet the minimum size and dimension requirements of the zone district where they are located. If you want to allow tiny house community developers to create very small lots (say 1,000 to 2,000 square feet), it is likely that your city or county does not have a residential zone district allowing lots of that size. So the local government will have to create a zone district allowing that type of lot. If the roads within the community are going to be narrower or more lightly constructed than those in stick-built subdivisions, then the community will have to adopt subdivision standards (or exceptions to the current standards) allowing those types of construction. In many cases, the local government is only willing to allow "lower-than-normal-standard" infrastructure if the property owners agree to own and maintain it over time (i.e., the city or county will not accept it as dedicated infrastructure for public maintenance), so the developer will likely have to create a home owners association to do so. These types of specialized standards have been adopted before, however, for unique forms of housing like manufactured home subdivisions or cottage home subdivisions, and those types of standards are good places to look for guidance.

> A PUD for a tiny-house community should be drafted assuming that conditions will change in the future, and to avoid locking in an overly specific development plan.

A Planned Unit Development

If the community expects that there will be only one of these communities or it does not want to create a new zone district or subdivision regulations to address tiny houses in general, the tailoring of zoning and subdivision standards described above could be accomplished through a planned unit development (PUD) tailored to a single development and a single developer. While single-project PUDs are relatively easy to adopt, they often reflect a very specific picture of the approved development that is hard to amend over time as conditions change. A PUD for a tiny-house community should be drafted assuming that conditions will change in the future, and to avoid locking in an overly specific development plan. For example, it may not be wise to require a community building of a certain size, or a park or storage area of a specific design in a specific location, because those items may need to be moved or resized in the future.

Similarly, if the home owners association is responsible for roads and utilities, it may be wise to offer some flexibility to relocate or resize those facilities in the future as needs change. The Greater Bemidji Area of Minnesota has thought through these issues and adopted a PUD approach for tiny-home subdivisions (§1101.F).

A Condominium or Cohousing Development

If the occupants of tiny houses in the community do not need to have the right to sell individual lots to others in the future, then a tiny house community could be structured as a condominium or cohousing development. Under this model, the land remains unsubdivided. Instead, a development plan is approved allowing many tiny houses, and perhaps support facilities like community buildings or shared parking areas, to occupy a single parcel of land. Instead of owning individual lots, residents own shares in the development as a whole. If structured as a condominium, each resident's share includes the exclusive rights to occupy their individual tiny house and a parking space, and also a proportionate share in the land, community buildings, roads, and infrastructure serving the area. As with a nontraditional subdivision described above, the local government may well require that the roads and utilities be owned and maintained by the condominium association. Under this approach, residents who decide to sell their tiny house in the future are actually selling their package of rights in the development (and the maintenance obligations that go along with them)—they are not selling the land. Again, it is usually wise to avoid overregulating or "zoning to a picture" in ways that may require additional governing body approval for minor changes in the future.

CONCLUSION

At this point, most city and county zoning and subdivision ordinances are unprepared for tiny houses. Answers to questions about what tiny houses are, where they can be installed, and under what conditions can be found if you search hard enough—but they are not clear or obvious. The good news is that there are several examples of how land-use controls can be developed or modified to accommodate new and creative forms of housing and land development. RV park, manufactured home park, and subdivision, cohousing, and cottage development standards provide a deep pool of content from which tiny-house regulations can be tailored and developed.

As with most land-use questions, however, the appropriate tools cannot be crafted until some policy questions have been answered. To prepare for the arrival of tiny-house owners and community developers in the future, local governments should be prepared to answer these questions:

- Do we want to allow the installation of tiny houses for long-term occupancy, and if so, in what parts of our community?
- Do we want to accommodate only those tiny houses that meet our current building code or the federal manufactured home standards, or do we want to create exceptions for other tiny houses that can be made safe for long-term occupancy in other ways?
- Do all tiny houses need to be installed on foundations and with connections to our electric, water, and sewer systems, or are there some areas (maybe rural areas) where we would allow them under other circumstances?
- Are there areas of the community where they should be permitted as primary dwelling units?
- Are there areas of the community where they should not be permitted as primary dwelling units, but would be acceptable as accessory dwelling units?
- What changes to our building code, zoning ordinance, and subdivision regulations need to be made to achieve those results?
- With a little forethought, you can be prepared for the day a tiny-house owner shows up with some or all of the questions discussed above—and avoid that "deer-in-the-headlights" look that so annoys the town council.

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