



11333 N. Cedarburg Rd.
Mequon, WI 53092
Phone: 262-236-2941
Fax: 262-242-9655

www.ci.mequon.wi.us

Office of the City Administrator

PUBLIC WELFARE COMMITTEE
Tuesday, October 12, 2021
6:15 PM
Lower Level Conference Room

Agenda

- 1) Call to Order, Roll Call
- 2) Approval of Meeting Minutes
Action requested: review and approve
 - a. Sept. 14 Meeting Minutes
 - b. Sept. 21 Meeting Minutes
- 3) Discussion Items
Action requested: discuss and take action as needed
 - a. Regulatory Standards for Home Irrigation Systems
- 4) Information Items
 - a. Work Calendar
- 5) Adjourn

Dated: October 12, 2021

/s/ Mark Gierl, Chair

Notice is hereby given that a quorum of other governmental bodies may be present at this meeting to present, discuss and/or gather information about a subject over which they have decision-making responsibility, although they will not take formal action thereto at this meeting.

Persons with disabilities requiring accommodations for attendance at this meeting should contact the City Clerk's Office at 262-236-2914, twenty-four (24) hours in advance of the meeting.

Any questions regarding this agenda may be directed to the City Administrator's Office at 262-236-2941, Monday through Friday, 8:00 AM – 4:30 PM



11333 N. Cedarburg Road
Mequon, WI 53092
Phone: 262-236-2941
Fax: 262-242-9655

www.ci.mequon.wi.us

Office of the City Administrator

PUBLIC WELFARE COMMITTEE

Tuesday, September 14, 2021

5:30 PM

Lower Conference Room

Minutes

1) Call to Order, Roll Call

Present:

Alderman Glenn Bushee

Alderman Kathleen Schneider

Chair Mark Gierl -- **Absent**

Also Present: Mayor Wirth, City Administrator Jones, Assistant City Administrator Schoenemann, City Clerk Fochs, City Attorney Sajdak, Alderman Parrish, Alderman Mayr, Alderman Strzelczyk, and Executive Assistant Enea

2) Approval of Meeting Minutes

a. August Meeting Minutes

RESULT: **Approved by Voice Acclamation [Unanimous]**

3) Discussion Items

a. City of Mequon Redistricting Discussion

City Clerk Fochs provided an overview of the redistricting process. Redistricting happens every 10 years after the census concludes. Mequon had an increase of 2,000 residents, so the districts needed to be rebalanced. This cycle's redistricting process was significantly delayed due to the impacts of COVID-19 and resulted in a compressed timeline for the City to complete its part of the redistricting process.

City Clerk Fochs explained wards are required to be equal sizes and abide by set criteria. Staff tried to use natural boundaries, like the Milwaukee River, when drawing new lines. The county provides the city with a recommended map to draw the wards. Two maps were provided for consideration. A discussion then took place about how it would be an adjustment because each alderman would lose some residents that they have formed relationships with during their terms in office. The Committee expressed a preference for Exhibit One. City Clerk Fochs will bring back a recommendation next month for approval, along with updated information from the county.

b. Composting Plan

4) Ordinances

Action requested: review and recommend approval

1. Electronic Meetings for Common Council and Planning Commission

Moved to Special Meeting on 9/21 at 5:15 P.M.

- 5) Information Items

- a. Work Calendar

- 6) Adjourn

Alderman Bushee moved to adjourn at 6:00 P.M. and was seconded by Alderwoman Schneider.

Respectfully Submitted,

Carrie Enea



11333 N. Cedarburg Road
Mequon, WI 53092
Phone: 262-236-2941
Fax: 262-242-9655

www.ci.mequon.wi.us

Office of the City Administrator

PUBLIC WELFARE COMMITTEE
Tuesday, September 21, 2021
5:15 PM
Lower Conference Room

Minutes

1) Call to Order, Roll Call

Present:

Chair Mark Gierl
Alderman Glenn Bushee
Alderman Kathleen Schneider

Also Present: Mayor Wirth, City Attorney Sajdak, Assistant City Administrator Schoenemann, and Executive Assistant Enea

2) Ordinances

Action requested: review and recommend approval

a. Electronic Meetings for Common Council and Planning Commission

A discussion took place regarding city meetings being hybrid and if the public, consultants, and/or Aldermen could participate electronically. Alderman Bushee stated that 25% of Mequon's population were Seniors and not easily mobile during the winter. Alderwoman Schneider stated that hybrid meetings are less functional and harder to communicate. If a resident couldn't attend, they could send their neighbor to read their comments. Alderman Gierl would like the public to attend if they were interested, but understood that it could be difficult for them. The Committee decided to leave it as is, the public must come in to participate. For all committees, quorum must be in person. For the Common Council, 6 must be in person and 2 can dial-in. Aldermen can electronically attend 2 meetings per year, no reason needed, first come-first serve. They must submit the request in writing, which can be email. Mayor Wirth inquired if emergency meetings could be virtual without calling a declared emergency. City Attorney Sajdak would make edits and present at the next meeting.

3) Adjourn

Alderwoman Schneider moved to adjourn at 5:54 P.M. Alderman Bushee seconded.

Respectfully Submitted,

Carrie Enea

TO: Public Welfare Committee
FROM: Mike Hadley,
DATE: October 12, 2021
SUBJECT: Regulatory Standards for Home Irrigation Systems

Background

On August 10, 2021, Inspections Division Staff presented the Public Welfare Committee findings associated with Alderman Gierl's inquiry regarding home irrigation systems and regulations.

Analysis

At the request of the Public Welfare Committee, staff took the following additional steps:

- Assessed programs and costs for well monitoring services
- Provision of the DNR Lawn Watering Guide for publication in the City newsletter

Results

After further correspondence with Jim Kasdorf, DNR Water Specialist, it was recommended to contact Dave Johnson, DNR Hydrogeologist. Mr. Johnson provided the following:

Jim Kasdorf and Dave Johnson expressed no concerns over the availability of water in our area from the aquifer. They state that:

- Most of Ozaukee County private wells obtain well water from the Silurian Niagara Dolomite Aquifer. Some private wells may get water from shallower sand and gravel aquifers.
- All of Mequon's municipal wells are Silurian and have generally good specific capacities. Some older data suggests our area is capable of producing 500 gallons per minute
- Mequon's municipal wells are deeper than private wells. The DNR does not see any water supply issues with the local municipal wells.

The following provide regional groundwater flow model of the Lake Michigan Basin and probable yield maps:

DNR Publication: <https://wgnhs.wisc.edu/catalog/publication/000381/resource/m056>

USSG model: <https://pubs.er.usgs.gov/publication/sir20105109>

The following provide groundwater data for wells, springs, test holes:

<https://waterdata.usgs.gov/wi/nwis/gw>

<https://nwis.waterdata.usgs.gov/wi/nwis/gwlevels>

A complaint about irrigation is that usage occurs when it's raining. For lawns with a shallow root system, it is not as egregious as it seems. The antecedent moisture in the soil allows faster infiltration so the recharge below the root zone is increased. Several studies and models have been done and are listed below. These studies show the development of the water supply, conservation efforts, and the evaluation of alternate sources for the Lake Michigan Basin Groundwater System:

<https://www.sewrpc.org/SEWRPC/Environment/RegionalWaterSupplyPlan.htm>

https://www.usgs.gov/mission-areas/water-resources/science/lake-michigan-basin-groundwater-system?qt-science_center_objects=0#qt-science_center_objects

The USGS, DNR and WGNHS have a monitoring well network, however there are not any wells in Ozaukee County. <https://groundwaterwatch.usgs.gov/StateMap.asp?sa=WI&sc=55>

Based on a brief review of Wellntel's website <https://wellntel.com> cost ranges to develop your own network are estimated as follows:

- Local Network - \$13 - 15K year one, \$3k annually
- Remote Network - \$45 - 75K year one, \$6K annually

Considerations

Current local conditions could be determined by hiring a driller to measure water levels in wells and compare the results to the Construction Reports (WCRs) for the original level reported on the WCR and compare to the water table map for Ozaukee County. <https://wgnhs.wisc.edu/catalog/publication/000288/resource/ic38plate02>

Another option would be to contact Chuck Dunning at Wellntel. They have units that continuously monitor water levels in wells. <https://wellntel.com> This would allow the City to start a network of wells for long term monitoring.

The Lawn Watering Guide was included in the bulletin on August 13, 2021.

Staff Summary

The Public Welfare Committee may want to consider further options. Depending on the Committee's direction, additional input and discussion may be necessary from other City departments in the future. In addition, funding would need to be provided for any studies or monitoring.



11333 N. Cedarburg Road
Mequon, WI 53092-1930
Phone: 262-242-3100
Fax: 262-242-9655

www.ci.mequon.wi.us

Office of Administration

TO: Public Welfare Committee
FROM: Justin Schoenemann, Assistant City Administrator
DATE: October 6, 2021
SUBJECT: Work Calendar

Month	Agenda Topics
September	• Redistricting • Electronic Meetings Ordinance (Continued) • Composting Plan (Continued)
October	• Electronic Meetings Ordinance (Continued) • Home Irrigation Systems (Continued)
November	• Composting Plan (Continued) • Architectural Board Review

Future Agenda Topics

• Pool Fencing • Chapter II, Article IV Review (Continued) • Adopt-A-Median Program • Community Outreach Initiatives • Home Program Review/Renewal	• Nuisance Ordinance Review • Logo Redesign/Branding
--	--

2021 Completed Items

• Tree Trimming & Wood Retention • Chapter II Article II • Subdivision Ordinance Amendments • Political Signs Ordinance • Chickens Ordinance • Micro-Breweries & Micro-Wineries Ordinance • Storage of Outdoor Power Equipment Ordinance	• Bee City Designation • Bird City Designation • Hybrid Meeting Technology Update • Review of Protest Petition Process • Electronic Meetings Post COVID-19 • Review of Protest Petition Process
--	---

Attachments:

Pool Fencing Ordinance Email Request (PDF)

Cedarburg Pool (PDF)

Coverstar AutoCovers Example (PDF)

Justin Schoenemann

From: Mark Gierl
Sent: Wednesday, September 22, 2021 8:01 AM
To: Justin Schoenemann; mgierl@sbcglobal.net
Subject: Fw: Conversation
Attachments: Cedarburg Pool.pdf; Coverstar_AutoCovers.pdf

From: Amber Schroeder <pt.amber@gmail.com>
Sent: Monday, September 20, 2021 3:52 PM
To: Mark Gierl <mgierl@ci.mequon.wi.us>
Subject: Fwd: Conversation

Hey Mark!

So there are two things that I was hoping to get in front of the city for discussion in the near future. The first is the fencing requirement for homeowners who install a pool. I believe this rule has not been updated in a long time and is likely pretty archaic. A lot of communities surrounding us have adopted a new policy stating if you have an automatic pool cover you no longer need to have a fence. Not only are the automatic covers more secure than a fence, they are less obtrusive and make happier neighborhoods. It also seems rather ridiculous that we have lots of other open bodies of water such as rivers, ponds, hot tubs, etc. that do not have to follow the same fencing requirement as a pool. I for one, have a massive pond in my backyard that is obviously not fenced in, and is a huge attraction to the neighborhood children for catching frogs and other animals-with the current ordinance, I would need to fence in my pool, but the pond behind my pool can remain unfenced. I had started this conversation with Jeff Hansher, but wasn't able to get any traction. You can see my correspondence below as well as some of our neighboring communities rules on fences vs. auto covers.

Green Bay, Cedarburg, Kholer, River Hills, and other Wisconsin cities have amended their fence rules to be either a fence or the auto cover and I would like Mequon to consider adapting the same policy.

Also- I would like to suggest that the fire pit rule ordinance be moved from 75' from any structure to 25'. I have spoken with the Mequon Fire Deputy and he said he would be in favor of this ordinance being changed and that he would come speak at any meeting to help out.

I am president of my neighborhood HOA and with 1/2 acre lots, putting a fire pit 75' from a house/structure becomes very difficult. It is my understanding that this ordinance is also old and was put into effect when the lots in Mequon were much larger. This is making it very difficult for homeowners to have a firepit, and causing us to deny many requests...mainly resulting in the homeowner putting it in anyway, even without approval.

Let's chat-I'd love to hear your opinion on both of these. I am also willing to speak to either of these items at any meeting and I also have another Mequon resident who is putting in a pool and would like to forgo a fence and instead use an auto cover.

In case you aren't aware-the auto covers cover the entire pool, they can be walked on, and can only be opened with a code on a keypad that is attached to the house.

Talk soon!
 Amber

Attachment: Pool Fencing Ordinance Email Request (5933 : Work Calendar)

REQUIRED INFORMATION FOR A POOL PERMIT

A building permit application must be completely filled out with all the applicable required information.

Failure to provide all information, 2 detailed plans, 2 surveys, and location of the private domestic sewage treatment and disposal system (including well location) will delay the permit issuance process. Processing of the permit will begin once the building inspector has received all of the required information. This processing will take a minimum of 7 working days, but may take longer at peak construction times. Please plan accordingly. The application for a building permit shall be accompanied by the following.

1. Survey/Plot Plan. 2 surveys or plot plans showing the location on the site of the proposed project as well as all existing structures, easements, and lot dimensions. Surveys or plot plans shall be drawn on a minimum of an 8 1/2" x 11" sheet of paper and be drawn to scale or have exact dimensions given for distances from lot lines, structures, etc. The scale used shall be shown on plan. Setbacks follow accessory structure setbacks.
2. 2 detailed drawings on an 8 1/2" x 11" sheet of paper showing exterior dimensions (including deck and/or fence if applicable).
3. Fencing Requirements. Every outdoor private or residential swimming pool in the ground or with sides less than four feet high must be completely enclosed by a fence or wall of sufficient strength to prevent access to the pool, or must have a cover or other protective device over such swimming pool of such a design and material that the same can be securely fastened in place and when in place shall be capable of sustaining a person weighing 250 pounds. Such cover or protective device shall be securely fastened in place at all times when the swimming pool is not in actual use. Such fence or wall shall be not less than four feet in height and not exceed six feet four inches total, not including a finial or decorative cap; if a swimming pool fence or wall includes a decorative finial or cap, total fence/wall height cannot exceed six feet eight inches total, which shall be so constructed as not to have openings, holes or gaps larger than four inches in any dimension, except for doors and gates. Aboveground pools with sides greater than four feet high which are not enclosed by a suitable fence herein described and using a ladder for ingress and egress shall have this ladder removed or flipped up when the pool is not in use.
4. Electrical Installations. All electrical wiring associated with swimming pools and spas shall require an electrical permit. All swimming pools and spas shall be located 10' horizontally from an overhead electrical service and 5' horizontally from an underground service lateral. The owner, before any construction is done with respect to installing a swimming pool, shall contact the proper utility for location of utility equipment. A receptacle that provides power for a recirculating pump motor for a permanently installed pool or spa shall be 5 feet or further from the pool or spa and shall be single and of a locking and grounded type. Such receptacle shall be GFCI protected. One other convenience receptacle shall be required 10 feet from, but within 20 feet of, the inside wall of the pool or spa. Such receptacle also shall be GFCI protected.
5. Private Domestic Sewage Treatment and Disposal System Location. The location and setbacks of the private domestic sewage treatment and disposal system location (including well) must be shown on the survey. This is to make sure that the pool meets setback requirements from the sanitary system. If the sanitary system cannot be located and accurately shown on the survey, a building permit cannot be issued and you will have to contact Ozaukee County Land and Water Management for assistance. If the property falls within County Shoreland Zoning, it is the owner's responsibility to have the County review the request for the pool location and compliance with County Shoreland Zoning. Most new survey maps already have this information shown and recorded with the County.
6. Nuisance. All pools shall be maintained in such a way as to not create a nuisance, hazard, eyesore, or be a detriment to public health, safety, or welfare.
7. The drainage of any pool may not be discharged onto adjoining property or into a sanitary disposal system. The pool may, however, be drained into drainage easements.
8. Separate electric and plumbing permits must be obtained for that work done as it pertains to the project.

Note: Certified Survey Maps (C.S.M.) are recorded at the Ozaukee County Register of Deeds. To acquire a C.S.M. that is recorded for your lot, the County will require your tax key number and address of your property. (Tax key numbers can be obtained from your property tax bill or at Town Hall.) Please note that not all properties have a C.S.M. recorded at the Register of Deeds office. If one is not currently recorded, a plat of survey or Certified Survey Map can be made by contacting a registered land surveyor.

We make it strong. We make it easy.™
COVERSTAR®

Automatic Safety Swimming Pool Covers



coverstar.com

*Everyday
 protection for
 your family...
 at the touch
 of a button!*



Attachment: Coverstar AutoCovers Example (5933 : Work Calendar)



The automatic choice for safety, savings and convenience!

A backyard swimming pool is the ultimate source of family fun! But when it comes to children and pets, it is also the source of safety concerns. No parent can be watching over the pool every minute. No fence or alarm can prevent a child from getting access to an unsupervised pool. A Coverstar automatic safety pool cover can!

Strong protection – at the touch of a button!

Simply flip a switch, and your Coverstar automatic safety cover will create a barrier over your pool that no child or pet can penetrate. Custom-built to fit your pool perfectly and manufactured from best-in-class materials, Coverstar is the best protection available for your family and your pool investment!

Save on heat, water, electricity, and chemicals.

A Coverstar cover acts as a passive solar heater, increasing the temperature of your water by eight to 10 degrees. It also reduces evaporation of water as well as consumption of chemicals.

Less time cleaning...more time enjoying!

A Coverstar cover keeps dirt and debris out of your pool. Time spent cleaning out dirt and leaves and putting in new chemicals is almost eliminated!



The weather-proof toggle switch opens or closes your pool in less than a minute. And it locks for secure access!



**Coverstar delivers
big savings . . .
automatically!**

90% reduction
in evaporation

70% reduction
in pool heating costs

50% reduction
in electricity costs

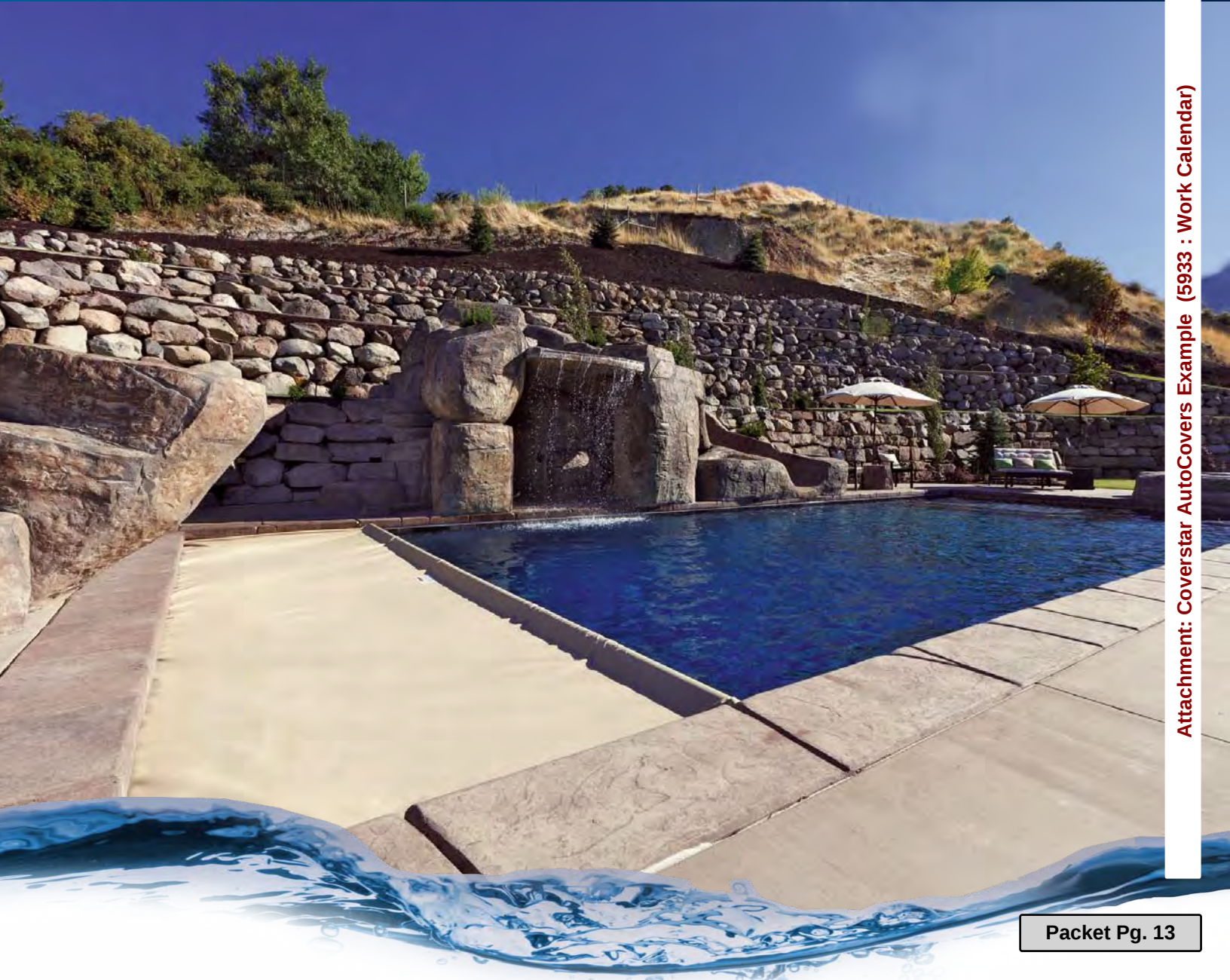
70% reduction
in chemical use

An optional keypad control
with programmable security
code is also available.



We make it strong. We make it easy.™
COVERSTAR®

The strongest name in
automatic safety pool covers



Attachment: Coverstar AutoCovers Example (5933 : Work Calendar)

The stronger the cover, the safer the cover. No company builds in more exclusive design and manufacturing features to ensure the strength and performance of its automatic covers than Coverstar!

Heat-sealed webbing for double the strength!

Most automatic cover manufacturers sew webbing material wrapped around rope to the cover. With this method, the webbing often fails before the fabric does. Coverstar uses

an exclusive, patented process to heat seal webbing around a polymer bead and weld it to the cover in one step. *Independent lab tests show Coverstar's webbing is over twice as strong as competitive webbing sewn to a cover!*



Mechanism engineered for unmatched reliability.

Our unique mechanism is engineered with heavy-duty components and with ropes and pulleys that are stronger than any others used in the industry. The extreme precision of the machined and laser-cut parts allows for smooth operation and many, many years of hassle-free use.

- **Coverstar motors** are completely sealed, using a proprietary method, to prevent water damage. Other less reliable means of water protection could mean an expensive motor repair.
- **PowerFlex™ Ropes** act like a shock absorber and self-adjust during operation for more reliable performance. And they're the only ropes that come with a two-year no-break guarantee!
- **Incredibly strong and durable fabric** – advanced vinyl formulation and superior fabrication methods make it top of the line.
- **Mechanical torque limiter** is adjustable to protect the motorized mechanism from too much stress.
- **Custom designed rope pulleys** provide maximum reliability in the pool environment.



Quality you
can rely on!

**BUILT
COVERSTAR
STRONG**

Coverstar automatic safety covers are independently certified by the Underwriters Laboratories to exceed the powered safety cover requirements set by the American Society of Testing and Materials (ASTM F1346-9) and are UL listed to meet all electrical and safety standards.

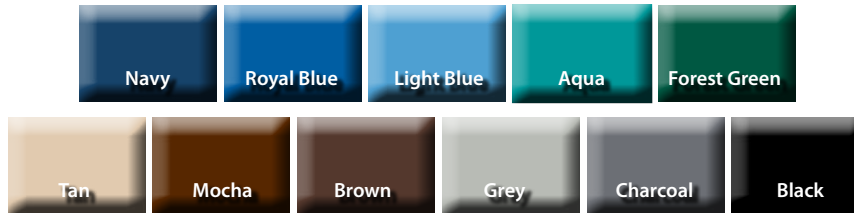


Automatic safety cover options for every need and every pool!

4.a.c

Coverstar automatic safety covers can be applied to a broad range of pool designs and types. Options include:

Choice of eleven standard fabric colors: Many other custom colors and fabric weights available.



Guide Options

Underguide systems are embedded in the pool wall or mounted to the bottom side of rectangular pools' coping, allowing guides to remain virtually unnoticed. For a more integrated look, guides can be built directly into the pool wall using guide encapsulation.

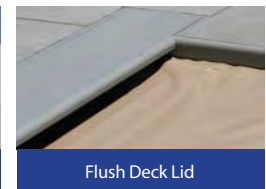
Topguide systems can be used with most freeform pools. The cover's drive system is installed under an aluminum lid or mounted to the surface of the deck.

Recessed guide systems feature aluminum guides that are recessed in the pool deck during the construction of the pool. The recessed guide is flush with the top of the deck.



Lid Options

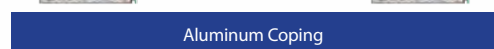
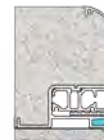
Classic Aluminum Lid, Flat Lid, Flush Deck Lid, and Walk-On Lid



Coping Options

Aluminum: Bull-Nose, Inclined, and Rounded

Concrete (also compatible for gunite and fiberglass pools): Inclined and Cantilever





4.a.c



Auto and SAM – the Coverstar team! Protecting your family with the best-built Solid, Mesh and Automatic Safety Covers!

Attachment: Coverstar AutoCovers Example (5933 : Work Calendar)

AUTO and SAM are
COVERSTAR®



787 Watervliet-Shaker Road, Latham, New York 12110
 800-833-3800 | lathampool.com
 383 Elgin Street, Brantford, ON N3S 7P5
 800-638-7422 | lathampool.ca



coverstar.com

Packet Pg. 17