

Ad-Hoc Committee

Thursday, January 14, 2021

6:00 PM

McFarland Municipal Center
Community Room

AGENDA

You are invited to this meeting through a Zoom webinar. The Public is strongly encouraged to watch and participate in these meetings remotely through either the webinar or telephone options listed below.

PLEASE CLICK THE LINK BELOW TO JOIN THE ZOOM WEBINAR:

<https://us02web.zoom.us/j/88263921873>

Or by Telephone: +1 (312) 626-6799

Webinar ID: 882 6392 1873

1. CALL TO ORDER.
2. PUBLIC APPEARANCES.
3. APPROVAL OF MINUTES
 - a. Review and possible approval of the December 1, 2020 Ad Hoc Sustainability Committee meeting minutes
4. BUSINESS.
 - a. Discussion and action to make a recommendation to the Village Board regarding idle reduction technology for the new Ladder Truck within the Fire and Rescue Department.
 - b. Discussion regarding planned Public Visioning meeting on February 11th, 2021.
 - c. Discussion regarding Green Tier Legacy Community Sustainability Strategies Scoresheet and development of the Village's Sustainability Plan.
5. SCHEDULE NEXT MEETING DATE
 - a. Tuesday, February 2, 2021 at 6:00pm.
6. ADJOURNMENT.

This meeting notice constitutes an official meeting of the above referenced group and was posted in accordance with all applicable laws related to Open Meetings Law. It is possible that members of and possibly a quorum of members of other governmental bodies of the municipality may be in attendance at the above stated meeting to gather information. No action will be taken by any governmental body at the above stated meeting other than the governmental body specifically referred to above in this notice. Upon

reasonable notice, efforts will be made to accommodate the needs of disabled individuals. For additional information or to request this service, contact the McFarland Municipal Center at (608) 838-3153 or cassandra.suettinger@mcfarland.wi.us

Working Draft - MINUTES
Ad-Hoc Sustainability Committee Meeting

December 1, 2020

Members Present: Michael Tiboris (assumed chair role at 7:02 p.m.), Amber Meyer-Smith, Bruce Fischer, Judy Taber, Angela Freedman (leaving at 7:02 p.m.), Mary Robb

Members Absent:

Staff Present: Andrew Bremer, Karen Knoll

1. CALL TO ORDER

Freedman called to order meeting at 6:01p.m.

2. PUBLIC APPEARANCES

None

3. APPROVAL OF MINUTES

a. Review and possible approval of the October 6, 2020 Ad-Hoc Sustainability Committee minutes.

Fischer moved to approve the October 6, 2020 minutes. Tiboris seconded the motion. Motion carried 6 - 0.

4. BUSINESS.

a. Discussion regarding the development of the Village's Sustainability Plan.

Ria Hull and Jason Valerius with MSA reviewed the timeline, previous meetings held and potential future meetings. The visioning session is slated for some time in January 2021.

Bremer reviewed the framework for the upcoming meetings, and the need of working around other scheduled Village meetings. Bremer reviewed possible dates and outreach possibilities for the Visioning session with members. Members discussed potential dates and possibilities for promoting the Visioning session, along with the Village Outlook, which is mailed to all residents, and the electronic newsletter the Lookout, which is emailed twice a month. The Lookout reaches 654 subscribers, and the Outlook is mailed to all residents. The Outlook is scheduled to mail approximately February 4, 2021. Members discussed the possible survey date, having an article in the Thistle, and delaying the session until after the Outlook mails as it reaches more people. The survey will likely go out in March. There is no plan to mail a hard copy of the survey to households; however, people can request one from the Department, but the preference is for completion online. While

the survey may not be live at the time the Outlook goes out, the committee could include the information on it to make people aware. Members concurred delaying the session would be best way to reach the public, along with using the electronic newsletter, social media and an article in the Thistle.

Hull indicated this is not a problem; MSA has various timelines available for this project, and even postponing the session may not delay the project. They feel they could potentially stay on schedule, just change the order of some of the work they are doing. Members discussed various meeting dates and timeframes to be met for the project.

Hull summarized the Visioning session would be to focus on the six – seven topic areas the committee has indicated as areas of interest, but also they would like to focus on something which is not normally focused on, which is identifying information needs and potential road blocks to action, as this is meant to be an action plan. MSA needs to know what information they can provide to facilitate the plan.

Hull reviewed a spreadsheet of potential metrics to include in the plan. Hull explained the spreadsheet is organized by plan focus areas and highlights those indicators that align with the Green Tier Program, as the Village is involved in the program. Bremer indicated in addition to the metrics each focus area would include a general vision statement and action items. These are the draft metrics, which they are looking at tonight and should be further parred down during the planning project to a more manageable number. There are different ways to measure things; we need to keep in mind what is important to this committee, and what is feasible to obtain on an annual base and adds value to the plan.

Hull reviewed the metrics categories with members as provided in packets, and indicated while some information can be found, some may not be available. Hull also went over how some of the data is collected. Hull and Valerius reviewed each metric item with members, discussed feedback from members and options with the metric items.

Bremer summarized tonight was for discussion and to be able to see what type of metrics are out there, and the issues with collecting the data, prior to establishing goals.

Bremer indicated Freeman had to leave the meeting; Tiboris is now the acting chairperson.

b. Discussion and action regarding setting a date for the Public Visioning meeting in January 2021.

Members discussed options for the Public Visioning meeting and options for making the public aware of the event. Fischer moved to hold the Public Visioning meeting on Thursday February 11, 2021 Robb seconded the motion, motion carried 5-0.

5. SCHEDULE NEXT MEETING DATE

Bremer summarized the next meeting is on Tuesday, January 5th, 2021 at 6pm.

6. ADJOURNMENT.

Tiboris moved to adjourn, Fischer seconded the motion. Motion carried. Meeting adjourned at 7:28 p.m.

McFarland
SUMMARY SHEET

MEETING DATE: Thursday, January 14, 2021

SECTION: Business

DEPARTMENT: Fire/EMS

CONTACT: Chris Dennis, Fire/Rescue Chief

AGENDA ITEM: Discussion and action to make a recommendation to the Village Board regarding idle reduction technology for the new Ladder Truck within the Fire and Rescue Department.

PREVIOUS ACTION:

The Village Board will be considering purchase of the vehicle at its meeting on January 11, 2021.

ISSUE SUMMARY:

The 2021 Budget authorizes funding for the replacement of the Aerial (Ladder) Truck within the Fire and Rescue Department. The Village Board is considering on Monday approval to proceed with that purchase so it can start its year long journey to be built. Within the bid, there is an option for the Village to consider idle reduction technology to essentially add additional batteries to the truck to cut down on fuel emissions. Village Staff will be asking for the Village Board to approve the purchase of the truck on Monday while also referring the optional issue of the idle reduction technology to this Ad-Hoc Committee. Assuming that they do, our work will be to review the idle reduction technology for the Aerial Truck and make a recommendation to the Village Board on its inclusion in the vehicle.

Included in your packet is a brochure from the manufacturer explaining the technology and how it works. This would provide the truck with an idle reduction system that will automatically shut down the motor on the truck if specific parameters are met. The system's general operation is once the truck has been parked for 5 minutes and the pump (used during training and fire suppression) or aerial device (used when ladder is operational) are not in use, and the truck has adequate power then the motor would be turned off. If any of the conditions change, the motor will be restarted automatically. Its a similar concept that is seen in newer vehicles when they pull up to a stop light and the engine turns off, this would be for a much larger vehicle. Some of the benefits of this are as follows:

- Zero emissions when activated.
- Lower fuel consumption.
- Lower diesel exhaust fuel (DEF) usage.
- Reduced soot buildup from idling.

Of course there are some drawbacks to consider with the technology as well:



- Initial cost investment and long term potential payback.
- During colder months, system may not be utilized due to using the pump to prevent freezing conditions.
- Battery replacement is estimated at every 6-7 years (2 batteries at \$1,500 per battery to replace).
- Low potential for fuel savings (Last 12-month fuel cost for the current truck was \$1,150) generating a lower return on investment.

Overall, whether its included or not it does not change the performance of the vehicle and how its needed to be used on calls for service. The question to answer for the board is whether or not the investment is worth pursuing in light of the pros and cons presented.

FINANCIAL/BUDGET IMPACT:

The quoted cost for this technology to be added to the project is \$18,373 which is about 1.3% of the overall cost of the vehicle. The additional cost would be within budgetary parameters approved within the 2021 Budget.

VILLAGE PLAN REFERENCE:

None.

ORDINANCE REFERENCE:

None.

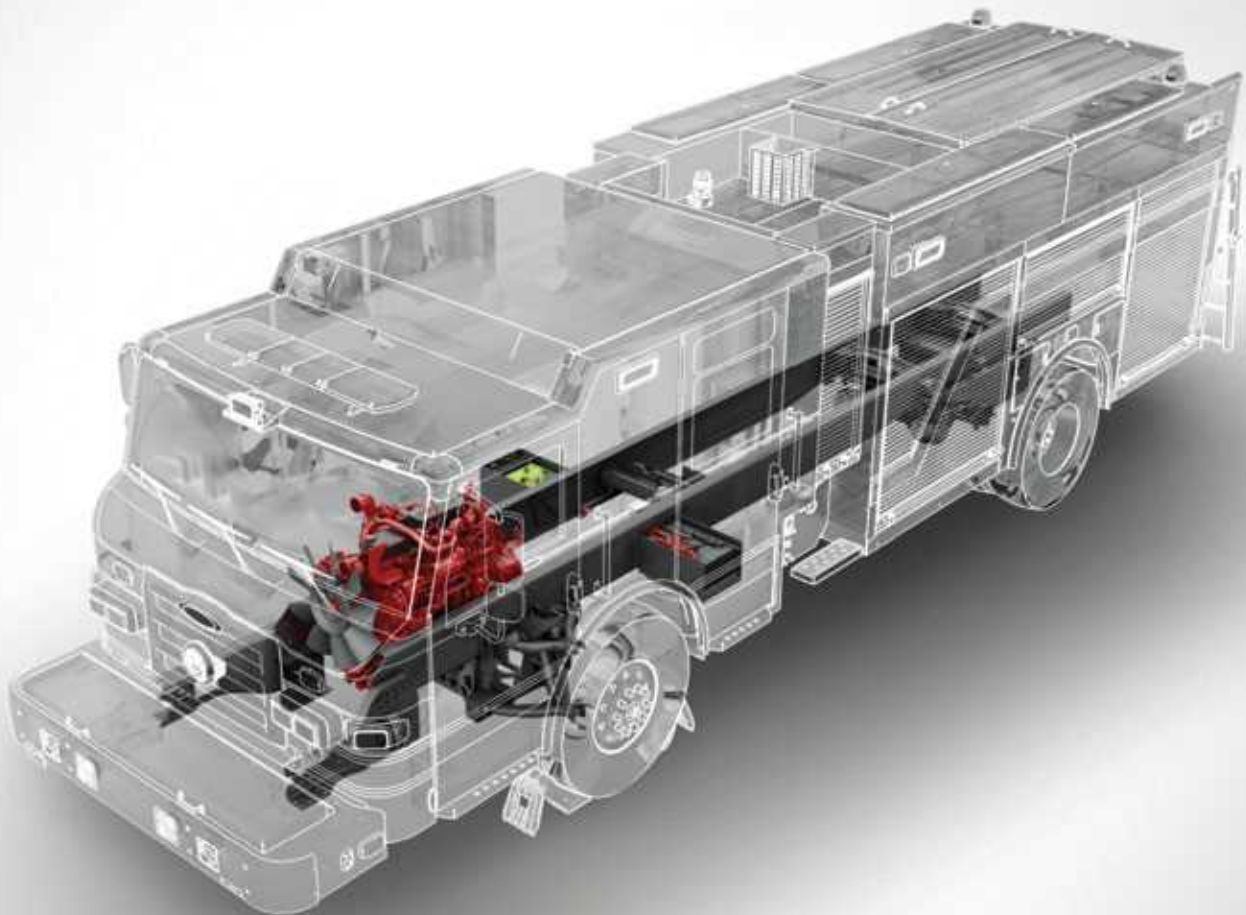
BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

Presented for consideration to the Sustainable McFarland Ad-Hoc Committee to make a recommendation to the Village Board.

ATTACHMENTS:

1. 20765_IdleReductionSS_Update_Web

IDLE REDUCTION TECHNOLOGY



LESS NOISE. FEWER EMISSIONS. MINIMAL FUEL. AND NO ENGINE POWER.

Perform on and off the scene, in open and closed spaces, with less wear on firefighters and the truck. Pierce® Idle Reduction Technology pairs automatic diesel engine controls with high-performance lithium-ion batteries and lead-acid batteries.

Power NFPA 1901 required devices, user-defined mission critical on-scene loads, and HVAC climate control with the main chassis engine shut down with one hour of run time at 150 amps. Featuring built-in safety interlocks and Pierce Command Zone™ auto-start for battery power monitoring and engine re-start, departments can work more safely and efficiently without a second thought.



Lithium-ion batteries



Command Zone screen

Components

Lithium-ion batteries for performance, lead-acid batteries for vehicle startup
Pierce Command Zone Multiplexed Electrical System for control

Touchscreen Display

Command Zone required to activate or deactivate system

Safety Interlocks

Automatic Idle Reduction System activates when the following conditions are satisfied for 5 minutes:

- Cab is lowered & locked
- Battery & ignition are on
- Vehicle is running
- Pump is not engaged
- Chassis park brake is set
- Transmission is in neutral

Battery Charging

Via chassis while operating or dedicated 30 amp power drop at the station

Efficiencies

- Less engine wear
- Lower fuel & DEF fluid usage
- Reduced soot buildup from idling
- Less frequent service intervals
- Lower total cost of ownership

Emissions Control

Zero chassis emissions when operating under lithium-ion power

www.piercemfg.com



Pierce Manufacturing Inc., An Oshkosh Corporation Company
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McFarland
SUMMARY SHEET

MEETING DATE: Thursday, January 14, 2021

SECTION: Business

DEPARTMENT: Community Development

CONTACT: Andrew Bremer, Comm & Eco Dev Director

AGENDA ITEM: Discussion regarding planned Public Visioning meeting on February 11th, 2021.

PREVIOUS ACTION:

ISSUE SUMMARY:

The Sustainability Plan - Public Visioning meeting is scheduled for Thursday February 11th, 2021 at 6pm. This will be a virtual public meeting using Zoom hosted by the Village's project consultant MSA Professional Services. Within the packet is an article the Department drafted for the Outlook newsletter that will be mailed on February 4th. With this Outlook newsletter we are planning to have a section dedicated to sustainability related articles. The packet includes a couple of additional articles from the Department, and in addition, Public Works will be adding information on the Salt Savor Pilot Program and a photo of the new solar panels on the Public Works building. The Department would like to continue to include a Sustainability section within future Outlook newsletters. Articles for the Summer newsletter will be due on April 7th, for distribution on May 6, and future meetings can include an agenda item to gather Committee input on article topics.

This agenda item is presented as an opportunity to discuss public outreach for the planned Public Vision meeting. In addition to the Outlook article, Staff plans to utilize the electronic newsletter, The Lookout, with a similar announcement on January 28th and February 11th.

Staff will also post to Facebook and reach out to School District and Chamber staff to request they share the information with their members.

FINANCIAL/BUDGET IMPACT:

VILLAGE PLAN REFERENCE:

ORDINANCE REFERENCE:

BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

This item is presented for discussion.

ATTACHMENTS:

1. Outlook Sustainability Articles_02.2021

2021 Winter/Spring Outlook Articles

Sustainability Plan Underway – Join the Discussion

It is becoming increasingly clear that sustainability and climate change is a defining issue of our time and it is one that has an enormous impact on future generations. The Village of McFarland is committed to creating a vibrant future for our Community by taking responsible and effective action to positively impact our environment. Last year, the Village Board formed an Ad-Hoc Sustainability Committee consisting of six residents who volunteered to serve our Community. One of the responsibilities of the Committee is to develop a Sustainability Plan for McFarland. The creation of this plan is meant to contain a guiding vision, measurable objectives, and targeted strategies (plans of action) intended to help the Village practically implement ideas for operating more efficiently and sustainably. The Committee now needs your help. On **Thursday February 11th, at 6:00pm**, the Village will host a virtual Public Visioning Meeting to gather resident input regarding ideas on how we can become a more sustainable community. This includes conversations around the topics of energy, community health, land use & development, transportation, waste and water. The meeting will be facilitated by the Village's planning consultant, MSA Professional Services, using Zoom. You can join the meeting using the following link: <https://tinyurl.com/McFarlandSPVS>

Later this winter, the Committee will also be conducting an on-line survey to gather additional public input related to the creation of the Sustainability Plan. If you would like to receive further notifications about the upcoming Public Visioning Meeting and Community Survey, you can visit the website below to register your email. You will then receive a reminder email the day of the public visioning session and another email when the community survey is live.

<https://www.surveymonkey.com/r/McFarlandSP>

Village Joins Wisconsin Green Tier Legacy Communities Program & Sustain Dane

On September 14, 2020, the Village Board adopted Resolution #2020-16 approving participation in the Wisconsin Department of Natural Resources Green Tier Legacy Community Program. The mission of the Green Tier program is to help communities across the state of Wisconsin move continuously toward a sustainable future through initiatives that promote environmental stewardship, economic growth, public health, and social equity. Also, in September the Village joined Sustain Dane. Sustain Dane's mission is to inspire, connect, and support people to accelerate sustainable actions for community wellbeing. The missions of these organizations align with the purpose of the Sustainability Committee. Participation in these organizations provide motivation, structure, support, and educational resources to aid the Committee's efforts to study ways to improve sustainability within the Village and to take on actions that may not otherwise happen without the support gained through these agencies. The Green Tier program also provides additional benefits to the Village including receiving prioritization in applying for certain DNR grants and streamlining in certain DNR permitting processes through gaining access to a DNR staff liaison.

Interested in adding Solar for your Home or Business

Interested in adding solar panels to your home or business roof top? Below are a few resources to checkout to get you started.

- MG&E and Alliant Energy. Contact your energy provider to learn more about rooftop solar resources and current incentive programs they offer.

- [Google.com/get/sunroof](https://www.google.com/get/sunroof). This site uses Google Earth imagery to analyze your roof shape, property shade, local weather patterns, and electric use to estimate recommended solar installation size, 20-year cost savings, and estimated years until payback.
- Focus on Energy. Focus on Energy offers cash incentives for qualified solar electric installations and maintains a list and contact information for trade ally contractors that can assist in your solar installation project. In addition, Focus on Energy also offers rebates on smart thermostats and a variety of free products such as LED lightbulbs and high-efficiency showerheads.
- MadiSUN Solar Energy Program. The MadiSUN solar group purchase program brings together households across the Madison area, including McFarland, and uses their collective buying power to get a great deal on rooftop solar at home. Their team of community members reviews competing offers from solar companies across the region and selects a trusted partner to install your system, saving you time and money. More information can be found at madisunsolar.com

**VILLAGE OF
McFarland
SUMMARY SHEET**

MEETING DATE: Thursday, January 14, 2021

SECTION: Business

DEPARTMENT: Community Development

CONTACT: Andrew Bremer, Comm & Eco Dev Director

AGENDA ITEM: Discussion regarding Green Tier Legacy Community Sustainability Strategies Scoresheet and development of the Village's Sustainability Plan.

PREVIOUS ACTION:

ISSUE SUMMARY:

The packet includes a modified copy of the Green Tier Sustainability Strategies Scoresheet.

Staff have modified the Scoresheet to include four columns: 2021 Beginning Year Score, Priority Rank, Feasibility Rank, and Comments. The purpose of this agenda item is to review with the Committee, line-by-line, each of the strategies to calculate the Village's 2021 Baseline Score and to obtain initial Committee feedback on priority and feasibility rankings for each strategy. Staff anticipates that this discussion may require two meetings to complete with discussion continued at the February 2nd Committee meeting. To keep things moving along it would be beneficial if Committee members could individually complete their priority and feasibility rankings prior the meeting, at least through Transportation, Land Use & Development, and Energy. The outcome of this exercise will be used to help inform the recommendations in the Sustainability Plan. Staff anticipates revisiting Committee responses after the planned Public Vision meeting and Community Survey so consider this a first pass through.

A few comments on each column:

1. 2021 Beginning Year Score. The Village's first annual report to the DNR is not due until March of 2022 for year 2021. Staff suggests developing a beginning year score and at the end of 2021 a revised score for our first annual report. Committee members do not need to complete this column prior to the meeting.
2. Priority Rank. How important is completing this strategy to you? Low priority, medium priority, or high priority. Generally speaking, consider a high priority something to be completed within the next 1-2 Years, medium priority within the next 3 Years, and low priority within the next 5 years. There are several factors that might influence priority ranking: urgency/importance to you, benefits of the outcome, consequence of in action, etc.
3. Feasibility Rank. How feasible do you think it is for the Village to complete this strategy. High feasibility, medium feasibility, or low feasibility. There are several



factors than can influence feasibility: technical feasibility, cost feasibility, operational feasibility, etc.

4. Comments. Use as needed to make notes regarding your rankings, e.g. Low priority due to overall benefit, high feasibility due to low cost to implement.

FINANCIAL/BUDGET IMPACT:

VILLAGE PLAN REFERENCE:

ORDINANCE REFERENCE:

BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

This agenda item is presented for discussion only.

ATTACHMENTS:

1. Sustainability Strategies Scoresheet_01.08.2021

Max. Score	Sustainability Strategies Scoresheet				
	  				
This Sustainability Strategies Scoresheet is provided for members to track sustainability management strategies in transportation, energy, land use, water, waste, and health. This scoresheet is intended to be dynamic and flexible and will provide structure for annual reporting. In the spirit of continuous improvement toward superior environmental performance, suggested revisions to this scoresheet are always encouraged. (Approved May 2018)					
McFarland Scores	2021 Beginning Year Score	Priority Rank (L, M, H)	Priority Comments	Feasibility Rank (L, M, H)	Feasibility Comments
TRANSPORTATION DEMAND MANAGEMENT: Transportation demand management strategies aim to reduce GHG emissions and VMT by influencing change in individual behavior. These strategies encourage walking, bicycling, and transit as modes of transportation within a community and seek to curb the number and length of trips by vehicle.					
<u>Bicycle and Pedestrian Programs/Projects</u>					
2	Require bike parking for all new non-residential and multifamily uses.				
1	Set standards for placement and number (as function of intensity of use) for bike parking spaces.				
3	Commuter bike routes identified and cleared.				
10	League of American Bicyclists certification. (Bronze 5, Silver 7, Platinum 10)				
3	Funded and operating SRTS program (or functional equivalent) covering at least 10 percent of students.				
1	Conduct annual survey of students' mode of transport to school.				
<u>Employer-Based Programs</u>					
5	Require large employers seeking rezoning to set a price signal (cash-out or charge).				
5	Require large employers seeking rezoning to provide subsidized transit.				
5	Require large employers seeking rezoning to provide a TDM plan that would reduce trips by 20 percent over business as usual.				
<u>Traffic Volume</u>					
3	Track VMT or traffic counts and report on efforts at reduction (including those on this list).				
3	Eliminate parking minimums from non-residential districts.				
5	Set parking maximums at X per square feet for office and retail uses.				
5	Scheduled transit service at basic level (hour peak service within half-mile of 50 percent of addresses).				
10	Scheduled transit service at enhanced level (half-hour peak service within 75 percent of addresses).				
TRANSPORTATION SYSTEM MANAGEMENT Transportation system management strategies aim to reduce GHG emissions and VMT by improving the overall performance of a transportation system. These strategies improve existing infrastructure, introduce new technology, and plan for the future of the system.					
<u>Preservation and Improvement</u>					
3	Develop and fully fund comprehensive maintenance program for existing roads.				
5	Charge impact fees for new roads.				
5	Calculate lane-miles per capita for arterials and collectors, and show reductions				
5	Prepare a plan identifying disconnections in bike and pedestrian networks, prioritizing fixes and identifying potential funding sources for the most important projects.				
5	Any proposal to add lanes to a two-lane roadway shall be evaluated for a center turn lane, the preferred option over an expansion to four lanes.				
3	Identify four-lane roadways with fewer than 20,000 vehicles per day (AADT) and evaluate them for "road diets" with bike lanes or on-street parking				
<u>Electric Vehicles</u>					

Max. Score	 Sustainability Strategies Scoresheet GREEN TIER	      				
		10	Electric vehicles in gov't fleets - 2% of of fleet=5 points, 5% of fleet=10 points.			
2	Allow NEVs on appropriate roadways.					
2	Provide public charging stations					
	<u>Vehicle Idling</u>					
5	Ban idling (more than 5 minutes) with local government vehicles.					
5	Ban idling (more than 5 minutes) community-wide.					

Max. Score	Sustainability Strategies Scoresheet					
	This Sustainability Strategies Scoresheet is provided for members to track sustainability management strategies in transportation, energy, land use, water, waste, and health. This scoresheet is intended to be dynamic and flexible and will provide structure for annual reporting. In the spirit of continuous improvement toward superior environmental performance, suggested revisions to this scoresheet are always encouraged. (Approved May 2018)					
	McFarland Scores	2021 Beginning Year Score	Priority Rank (L, M, H)	Priority Comments	Feasibility Rank (L, M, H)	Feasibility Comments
	ZONING AND DEVELOPMENT Zoning and development strategies work toward improving the overall environmental, economic, and social health of a community by promoting mixed-use and infill development, walkable neighborhoods, and an overall sustainable lifestyle.					
	<u>Infill Development</u>					
5	Identify priority areas for infill development, including those eligible for brownfields funding.					
10	Create land bank to acquire and assemble priority infill sites					
10	Develop an inventory of known contaminated properties for reuse planning, with possible GIS application					
	<u>Walkscore</u>					
5	Measure Walkscore at 10 random residential addresses per Census tract, compute average, and improve upon overall score					
	<u>Zoning</u>					
5	Adopt traditional neighborhood design ordinance (If population is less than 12,500)					
5	Zoning for office and retail districts permits floor-area ratio > 1, on average.					
5	Zoning for office and retail districts requires floor-area ratio > 1, on average.					
5	Zoning code includes mixed use districts					
5	Mixed-use language from Smart Code TBA.					
	NATURAL RESOURCE MANAGEMENT Natural resource management strategies seek to conserve, preserve, protect and promote a community's greenspace, wildlife, wetlands and waterways for this and future generations by promoting pervious surfaces and adequate setbacks.					
	<u>Canopy</u>					
3	Adopt tree preservation ordinance per GLTC standards					
3	Set a tree canopy goal and develop a management plan to achieve it					
4	Have a Master Naturalist; ISA Certified Arborist or WDNR Community Tree Management Institute (CTMI) graduate on staff					
2	Have community tree canopy mapped - https://pg-cloud.com/Wisconsin/					
2	Require trees to be planted in all new developments					
2	Certification as Tree City USA					
2	Certification as Bird City Wisconsin Community					
	<u>Vegetation Management</u>					
10	Public properties and rights of way mown or cleared only for safe sightlines and/or to remove invasive species.					
10	Create community policy and BMP guidelines on minimizing chemical use during vegetation management of public and private properties					
	<u>Water Protection</u>					
6	Establish 75-foot natural vegetation zone by surface water.					
6	Inventory wetlands and ensure no net annual loss.					

Max. Score	Sustainability Strategies Scoresheet		    			
	GREEN TIER					
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McFarland Scores		2021 Beginning Year Score	Priority Rank (L, M, H)	Priority Comments	Feasibility Rank (L, M, H)	Feasibility Comments
Community Energy Use Community energy use strategies encourage energy efficiency and the use of renewable fuels to reduce total energy consumption throughout the community						
Community Energy Use Policies						
10	Adopt PACE ordinance/jpa					
10	Use PACE financing					
5	Watt meters available to the public					
5	Offer residents and businesses a mechanism to purchase shares of the electricity generated through a local renewable energy project. (Ex. a community solar program)					
5	Facilitate a group-buy program through which residents receive discounted, volume-based pricing on energy efficiency or renewable energy projects based on aggregated demand.					
3	Commit to achieving a science-based, community-wide GHG reduction goal.					
3	Adopt Residential Energy Conservation Ordinance (time-of-sale certification and upgrades).					
Measuring Community Energy Use						
6	Work with local utilities to calculate total electricity and natural gas consumption annually, beginning with the fifth year before entering the program.					
5	Achieve milestone reductions in GHG emissions, as specified in the community's science-based GHG reduction goals.					
5	State of Wisconsin Energy Independent (EI) Community designation.					
MUNICIPAL ENERGY USE Municipal energy use strategies encourage municipal employees to conserve energy, preserve the environment, and decrease greenhouse gas emissions from municipal facilities, services, and vehicle fleets.						
Government Energy Use Policies						
5	Include transportation energy/emissions as criterion in RFPs for purchases of goods over \$10,000.					
2	Develop list of lighting, HVAC and shell improvements to raise Energy Star Portfolio Manager or LEED EBO&M score					
10	Reduce motor fuels use for non-transit activities --					
6	Provide transit passes at 50 percent or more off the regular price and/or provide parking cash-out options for local government employees.					
6	Streetlights operate at 75 lumens/Watt or higher					
4	Stoplights are LED or functional equivalent					
2	Establish a policy requiring that all major remodeling projects on municipal buildings result in the building receiving an ENERGY STAR score that is five points higher than the building's pre-remodel score.					
6	Commit to achieving a science-based GHG reduction goal for emissions resulting from all municipal operations.					
3	Incorporate energy use intensity (EUI) targets into the contracting process for all significant municipal construction project					
5	Establish policies requiring that all new municipal buildings achieve an ENERGY STAR score of 75 or higher.					

Max. Score	 Sustainability Strategies Scoresheet GREEN TIER	      				
2	Municipal electricity purchases are at least 5 percentage points higher in renewable content than the statewide renewable portfolio standard requires. Calculation may include self-generated power and purchased offsets.					
	<u>Measuring Government Energy Use</u>					
2	Work with Energy Task Force OEI to track municipal facilities - Complete EPA Energy Star Portfolio Manager spreadsheet for government energy use. Or score existing buildings with LEED EBO&M.					
3	Achieve milestone reductions in GHG emissions, as specified in the municipality's science-based GHG reduction goal.					
4	Calculate annual government fleet use of motor fuels, in gallons of petroleum and biofuels, beginning with the fifth year before entering the program.					
10	All new and renovated municipal buildings must meet LEED Silver or greater.					

Max. Score	Sustainability Strategies Scoresheet		    			
	GREEN TIER					
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McFarland Scores		2021 Beginning Year Score	Priority Rank (L, M, H)	Priority Comments	Feasibility Rank (L, M, H)	Feasibility Comments
WATER USE CONSERVATION						
Water Conservation strategy options set baselines and goals for water and energy performance in municipalities. They measure progress and promote water conservation by the government, business, and the community at-large.						
<u>Water Conservation</u>						
5	Track water and sewer use annually, beginning with fifth year before entering program, and develop plan for reductions.					
1	Develop a water loss control plan with targets below the 15% required by the state and include a system-wide water audit implementation and time table					
2	Join EPA's WaterSense Program for water utilities or the Groundwater Guardian Green Sites program and promote them to local business.					
6	Use block rates and flat rates to encourage water conservation among residential, commercial, and industrial users.					
3	Infiltration and inflow reduction by 10%					
3	Plan for replacing all toilets using > 1.6 gpf and annual progress sufficient to reach 90 percent replacement in 10 years.					
<u>Local Government Use</u>						
2	Install waterless urinals in men's restrooms at municipal facilities (city hall, parks, etc.)					
2	All outdoor watering by local government, excluding parks and golf courses, from rain collection.					
2	Develop a water efficiency and conservation plan for municipal buildings					
WATER AND WASTEWATER INFRASTRUCTURE MANAGEMENT						
Setting goals for the sustainable management of water and wastewater infrastructure reduces costs; saves energy; and ensures the protection of public health and the environment.						
5	Develop and implement asset management plans that set targets for the sustainable maintenance, operation and renewal of water and wastewater infrastructure.					
5	Wastewater biogas captured and used in operations.					
6	Conduct an energy assessment for municipal water and wastewater facilities and develop a plan to increase energy					
3	Financial assistance for sewer lateral replacements.					
4	Set goals for increasing the recovery of resources from wastewater for energy generation (heat or electricity) and fertilizer.					
4	Explore partnership options with high-strength waste.					
4	Upgrade water and wastewater utility equipment (e.g., variable frequency drive motors) to achieve energy efficiency based on total life cycle, triple bottom line costs (e.g. maintenance and replacement strategies in asset management plans)					
STORMWATER MANAGEMENT						
Stormwater Management strategy options encourage the use of best management practices to achieve a reduction in the amount of harmful pollutants introduced to our streams, rivers, and lakes.						
3	Develop a regular street sweeping program to reduce total suspended solids					
4	Stormwater utility fees offer credits for best management practices such as rain barrels, rain gardens, and pervious paving					
3	Inventory all paved surfaces (e.g., by GIS mapping), and develop a plan for reduction					
5	Work with commercial or light industrial businesses to develop stormwater pollution plans					
WATER AND DEVELOPMENT						

Max. Score	 Sustainability Strategies Scoresheet GREEN TIER		     				
	Water and Development strategy options link water conservation and the preservation of land, wetlands, and wildlife habitat while promoting compact development, restoration and rehabilitation efforts, and long-term planning.						
	<u>Land Development</u>						
	3	Identify key green infrastructure areas during plan development and/or implement a plan to acquire and protect key green infrastructure areas					
	<u>Waters, Wetlands, and Wildlife</u>						
3	Replace concrete channels with re-meandered and naturalized creeks, wetlands, or swales						
4	Develop a system for identifying culverts that obstruct fish migration and install fish friendly culverts where needed						
4	Provide incentives for protection of green infrastructure, sensitive areas, important wildlife habitat, or for the restoration or rehabilitation of wetlands or other degraded habitats such as credit towards open space or set-aside requirements						

Max. Score	 Sustainability Strategies Scoresheet GREEN TIER					    				
	This Sustainability Strategies Scoresheet is provided for members to track sustainability management strategies in transportation, energy, land use, water, waste, and health. This scoresheet is intended to be dynamic and flexible and will provide structure for annual reporting. In the spirit of continuous improvement toward superior environmental performance, suggested revisions to this scoresheet are always encouraged. (Approved May 2018)									
McFarland Scores						2021 Beginning Year Score	Priority Rank (L, M, H)	Priority Comments	Feasibility Rank (L, M, H)	Feasibility Comments
WASTE MANAGEMENT AND REDUCTION Waste Management and Reduction strategy options encourage municipalities and their citizens to divert organics and recyclables from landfills and properly dispose of hazardous materials in an effort to reduce waste in a community.										
8	Community waste stream monitored at least annually . Waste reduction plan prepared and updated annually									
8	Waste and materials management plan based on "zero-waste" principles, with specific goals, prepared and updated									
3	Construction/deconstruction waste recycling ordinance									
5	Mandatory residential curbside recycling pickup that covers paper, metal cans, glass and plastic bottles									
5	Develop a municipal collection program that encourages the diversion of food discards, yard materials, and other organics from landfills to composting or anaerobic digestion with energy recovery									
6	Develop and promote programs that dispose of household hazardous, medical, and electronic waste									
7	Use anaerobic digesters to process organic waste and produce energy									
5	Implement municipal ordinances requiring manufacturer takeback for fluorescent bulbs, thermostats and other mercury-containing devices									
4	Ordinances in place to reduce the usage of phone books as well as single-use shopping bags, styrofoam food containers									
4	Pay-as-you-throw system implemented by municipality or required of private waste haulers									
3	Use public education and outreach to promote recycling, backyard composting, product re-use and waste reduction									

Max. Score	Sustainability Strategies Scoresheet				
	     				
This Sustainability Strategies Scoresheet is provided for members to track sustainability management strategies in transportation, energy, land use, water, waste, and health. This scoresheet is intended to be dynamic and flexible and will provide structure for annual reporting. In the spirit of continuous improvement toward superior environmental performance, suggested revisions to this scoresheet are always encouraged. (Approved May 2018)					
McFarland Scores	2021 Beginning Year Score	Priority Rank (L, M, H)	Priority Comments	Feasibility Rank (L, M, H)	Feasibility Comments
HEALTHY COMMUNITY PLANNING					
Policies and projects related to incorporating health living into community design- whether by built form, programs, education, etc. in an effort to reduce trends in poor nutrition, inactive lifestyles, chronic diseases, such as obesity and heart disease, and other negative health risk factors.					
Policies Affecting Multiple Program Areas					
7	Adopt a resolution that promotes Health in All Policies at the community level (e.g., HEAL Resolution). Include that educational campaigns supporting a program covered by the resolution are appropriately targeted to all of the populations addressed by the program				
8	Establish a Health Impact Assessments policy, including when an assessment is required and its scope				
Planning					
7	Add health policies in 1 or more of the community's plans, including the comprehensive plan, long-range transportation plan, bicycle/pedestrian plan and open spaces recreation plan (embedded or stand-alone chapter) or develop a comprehensive, community wide wellness plan.				
6	Site schools in the Comprehensive Plan for accessibility with existing or new bicycle and pedestrian infrastructure				
8	Encourage the formation and/or support of Neighborhood Improvement Districts (NIDs), Neighborhood Development Corporations, or other similar types of neighborhood reinvestment and enhancement strategies in plans or policies.				
Healthy Food Access					
7	Implement strategies (urban agriculture, community gardens on public land, diversified farmer's markets, expanded traditional retail food options, ordinances to allow urban chickens and beekeeping and vegetable gardening in rights of way) that help increase fresh food access in the community, in particular in areas with food insecurity (e.g., "food deserts" and "food swamps"), including access by EBT and WIC participants.				
6	Create a Food Systems Plan that addresses the production, distribution, value-added, marketing, end-market, and disposal of food, and charge a new or existing governmental body to oversee the plan's implementation.				
Physical Activity and Access					
5	Provide an on-street and/or off-street trail network connecting recreational areas in the community (e.g. safe routes to parks) and other trip generators, such as shopping malls, ensuring all neighborhoods are included in planning and implementation.				
4	Encourage pedestrian and bicycle site connections from front door of businesses or apartments to a public sidewalk and/or bike lane ensuring connections to all neighborhoods.				
4	Provide education and establish programming to encourage physical activity, especially by youth.				
7	Establish an expanded public transit that serves commuters from all neighborhoods and major parks and recreation facilities, and has racks on vehicles for carrying bicycles.				
5	Require sidewalks in new residential areas and establish a policy for adding sidewalks, as appropriate, in areas built out without sidewalks.				
2	Implement a Complete Streets policy.				
5	Provide recreation programs for youth, adults, senior citizens and disabled persons.				
5	Establish a pedestrian safety task force.				
Housing					

Max. Score	 Sustainability Strategies Scoresheet GREEN TIER	     				
		6	Adopt ordinances and programs to maintain a healthy housing stock (code enforcement, landlord licenses, volunteer program, truth-in housing disclosure before sale, etc.).			
5	Allow life cycle or adaptable housing options, such as "aging in place", accessory dwelling units, Universal or Inclusive Design, Dementia Friendly Communities, Age-Friendly Communities, etc.					
8	Establish a program to make housing more affordable.					
5	Establish a program to address chronic homelessness, such as "permanent housing".					
<u>Crime Prevention and Other Harm Reduction</u>						
4	Use by policy, ordinance or practice, Crime Prevention Through Environmental Design and active threat planning to make public spaces, such as recreational space, crime free.					
5	Establish and implement Harm Reduction strategies for alcohol outlet density and sexual oriented establishments (e.g. zoning limitations)					
5	Adopt an ordinance or policy that requires tobacco-free and e-cigarette free apartments or places limitations on such structures					
6	Adopt an ordinance or policy that promotes tobacco-free and e-cigarette free parks and/or public events on local government-owned property.					
<u>Climate Change</u>						
5	Create and implement a climate change action plan that includes a carbon footprint study, and health related components on reducing air pollution from combustion of fossil fuels and responding to heat episodes and flooding, focusing in particular on most vulnerable populations.					
<u>Noise</u>						
5	Adopt an ordinance, including conditional use permits, on noise abatement for various zoning districts.					
<u>Employee Health</u>						
5	Implement a wellness program for employees of the local jurisdiction.					
5	Encourage or partner with others, such as the Chamber of Commerce, etc., to advance workplace wellness programs within the community.					
<u>Placemaking</u>						
5	Support placemaking at varying scale (neighborhood to major city facility) and permanence (temporary to permanent) through programming, financial support and removal of regulatory barriers to promote healthy living and social capital in the community.					
5	Adopt form-based codes or similar type design guidelines for healthy active living environments.					
<u>Waste Pharmaceuticals</u>						