

MAPLE GROVE
ARBOR COMMITTEE
REGULAR MEETING
FEBRUARY 12, 2015
7:00 PM – ROOM 183
MAYOR'S CONFERENCE ROOM



1. CALL TO ORDER
2. OATH OF OFFICE
ADAM BEDARD
3. APPROVAL OF AGENDA AND MINUTES
 - A. APPROVAL OF AGENDA
 - B. APPROVAL OF MINUTES – JANUARY 8, 2015 REGULAR MEETING
4. NEW BUSINESS
 - A. SKYE AT ARBOR LAKES 2ND ADDITION LANDSCAPE PLAN
5. OLD BUSINESS
 - A. 2015 ARBOR DAY PLANNING
 - B. LANDSCAPE TREE SUGGESTION LIST
6. AREA REPORTS
7. ADJOURNMENT

City of Maple Grove 2015 Arbor Committee

Mary Parenteau, Chairperson

16410 Lake Ridge Drive
Maple Grove, MN 55311
Hm# 763-420-2019
Cell# 763-913-1124
mparenteau@edenpr.org
Term Expires: 12/31/15

Steven Courtney

7870 Ranchview Lane N.
Maple Grove, MN 55311
Hm#763-777-8498
Wk# 763-777-8498
courtn3333@gmail.com
Appointed: 2/3/14
Term Expires: 12/31/16

Rory Howell

11998 - 91st Avenue N.
Maple Grove, MN 55369
Hm# 515-441-1977
rory.howell@concur.com
Appointed: 7/15/13
Term Expires: 12/31/16

Ed Reichow

8540 Quarles Rd. N.
Maple Grove, MN 55311
Hm# 612-363-4540
Wk# 612-363-4540
edreichow@gmail.com
Appointed: 3/21/05
Term Expires: 12/31/15

Marilyn Arnlund

17792 93rd Place N.
Maple Grove, MN 55311
Hm# 612-597-1141
Wk# 763-494-6091
marnlund@maplegrovmn.gov
Appointed: 2/3/14
Term Expires: 12/31/16

Julie Gamber, V. Chairperson

7312 Pineview Lane
P.O. Box 1648
Maple Grove, MN 55311
Hm# 763-493-2360
Cell# 612-805-9471
Work# 763-424-9411
ZEEiroc@aol.com
Appointed: 2/7/05
Term Expires: 12/31/16

Mary Lynn KenKnight

7300 Holly Lane N.
Maple Grove, MN 55311
kenknight1@comcast.net
Appointed: 6/16/14
Term Expires: 12/31/15

Erik Johnson, Council Liaison

7882 Ranchview Lane N.
Maple Grove, MN 55311
Hm# 763-494-8376
ejohnson@maplegrovmn.gov

Adam Bedard

13301 Maple Knoll Way, #516
Maple Grove, MN 55369
Hm# 218-851-2280
Appointed: 2/2/15
Term Expires: 12/31/17

Joseph Hogeboom

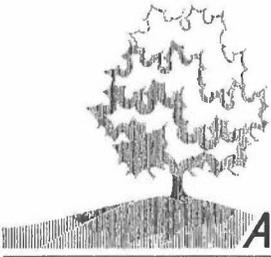
6914 Garland Lane N.
Maple Grove, MN 55311
Hm# 763-420-6261
Wk# 763-593-8099
jhogeboom83@gmail.com
Appointed: 1/17/12
Term Expires: 12/31/17

Terri Polski

7500 Maplewood Drive
Maple Grove, MN 55311
Hm# 763-420-4574
pterrri56@yahoo.com
Appointed: 2/1/10
Term Expires: 12/31/15

Frank Kampel, Staff Liaison

12800 Arbor Lakes Pkwy.
Maple Grove, MN 55369
Hm# 763-420-5907
Wk# 763-494-6365
Cell#: 612-412-8639
fkampel@maplegrovmn.gov



MAPLE GROVE
ARBOR COMMITTEE

REQUEST FOR COMMITTEE ACTION

Item Number: 2

Meeting Date: February 12, 2015

Agenda Heading: Oath of Office

Agenda Item: Oath of Office

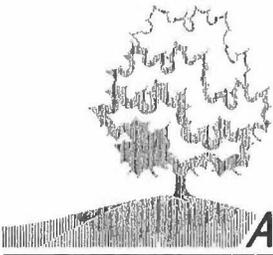
Recommended Committee Action:

None.

Discussion:

The oath of office will be administered to Adam Bedard. Please welcome Adam to the Committee.

Committee Comments:



MAPLE GROVE
ARBOR COMMITTEE

REQUEST FOR COMMITTEE ACTION

Item Number: 3 A & B

Meeting Date: February 12, 2015

Agenda Heading: Approval of Agenda and Minutes

Agenda Item: Approval of Agenda and Minutes

Recommended Committee Action:

Call by Chairperson _____ for any additions or revisions to the agenda.

Motion by Committee member _____, seconded by Committee member _____ to approve as proposed or approve as amended the agenda for the February 12, 2015 regular meeting.

Motion by Committee member _____, seconded by Committee member _____ to approve the minutes of the January 8, 2015 regular meeting as presented or as amended.

Discussion:

Committee Comments:

**MAPLE GROVE
ARBOR COMMITTEE
REGULAR MEETING
JANUARY 8, 2015
MAPLE GROVE GOVERNMENT CENTER
7:00 PM**

Call to Order

The regular meeting of the Arbor Committee was called to order by Chairperson Mary Parenteau at 7:00 pm.

Members Present

Mary Parenteau, Julie Gamber, Joe Hogeboom, Rory Howell, Marilyn Arnlund, Ed Reichow, and Mary Lynn Kenknight

Members Absent

Steve Courtney and Terri Polski

Also Present

Erik Johnson, City Council Member, Frank Kampel - Staff Representative, Adam Bedard - Citizen

Oath of Office

Frank Kampel administered the Oath of Office to Joe Hogeboom. Hogeboom will serve a complete new term on the Committee.

Election of Officers

Marilyn Arnlund made a motion to conduct the election of officers by an open vote. The motion was seconded by Joe Hogeboom and passed unanimously on a voice vote.

Frank Kampel asked if there were any motions to appoint a Chairperson for the Committee. Ed Reichow made a motion to reappoint Mary Parenteau as Chairperson. The motion was seconded by Marilyn Arnlund and passed unanimously on a voice vote.

Mary Parenteau asked if there were any motions to appoint a Vice Chairperson for the Committee. Joe Hogeboom made a motion to reappoint Julie Gamber as Vice Chairperson. The motion was seconded by Marilyn Arnlund and passed unanimously on a voice vote.

Mary Parenteau asked if there were any motions to appoint a Secretary for the Committee. Julie Gamber made a motion to reappoint Joe Hogeboom as Secretary. The motion was seconded by Marilyn Arnlund and passed unanimously on a voice vote.

Approval of Agenda
and Minutes

Chair Parenteau asked if there were any additions or revisions to the agenda. Hearing none, Julie Gamber made a motion to approve the agenda as presented. The motion was seconded by Rory Howell and passed unanimously on a voice vote.

Chair Parenteau asked if there were any revisions to the December 11, 2014 meeting minutes. Hearing none, Ed Reichow made a motion to approve the minutes as presented. The motion was seconded by Julie Gamber and passed unanimously on a voice vote.

New Business

2015 Arbor Day Planning

Frank Kampel introduced this item, and reminded the Committee that the 2015 Arbor Day celebration will be held on Saturday, April 25 at the Maple Grove Community Center. The Arbor Committee had previously discussed that it would be preferable to have signage created that could be reused from year to year. It was also noted that the seminars in 2014 were not very well attended, and that there was low participation in the children's poster contest.

Mary Lynn Kenknight commented that the live tree display was very well done, and is a good feature for the event. Joe Hogeboom suggested that the tree display be done outside on the Community Center's balcony.

Ed Reichow asked the group if there was any feedback about the tree mulch display. Mary Parenteau suggested that the mulch be moved to an area by itself, so it can be the focal point of the display. Ed Reichow said he will continue to offer the display as long as the Committee feels that it is valuable.

Julie Gamber mentioned that the Arbor Day event has become more of a children-oriented event, and that adult-focused booths might get overlooked. Mary Lynn Kenknight suggested that she, personally, would likely only attend an event like this if she were bringing her children along.

Mary Parenteau questioned if Wright Hennepin Electric could provide seedlings of the types of trees that we are trying to promote in the City. Frank Kampel stated that it is unlikely that the City can request specific species of seedlings.

Marilyn Arnlund suggested that the Committee add a display area that could feature work that has been done as part of the City's tree inventory project. Arnlund mentioned that she owns a display board that would be

appropriate for the display, and is hoping that other members volunteer to help put the display together.

Mary Parenteau suggested adding a box on the tree raffle form that asks where participants heard about the Arbor Day event. This could help focus the group's marketing efforts. Frank Kampel offered to add the box to the form.

Mary Lynn Kenknight and Marilyn Arnlund suggested that the Committee include a beekeeping display. Kenknight suggested contacting the groups "Bees Knees" and "Bee Squad" for more information. Arnlund and Kenknight also suggested offering a "make your own bee house" display.

Marilyn Arnlund suggested giving out reusable bags to Arbor Day attendees. Arnlund and Frank Kampel will look into companies that produce bags to determine a cost estimate.

Mary Parenteau suggested that allowing groups to sell items at the event might help to increase attendance. Mary Lynn Kenknight mentioned that the local group entitled, "Buckthorn Busters" might be a good fit for the event, and that the group sells buckthorn-killing equipment. Kenknight is unsure of whether the group is a non-profit organization or for-profit business.

Mary Lynn Kenknight will contact the Yellow Tree Theatre in Osseo to see if the theatre would be willing to put on a display or do something related to trees at the event.

Mary Parenteau mentioned that the QR codes were not well received, and suggested not using them again in 2015. The Committee concurred with that.

In February, the Committee will ask Terri Polski if she is willing to coordinate the passbook scavenger hunt again for the 2015 event.

Joe Hogeboom will contact the Minnesota Department of Natural Resources to see if they have children's handouts that can be given as prizes for the scavenger hunt.

The Committee concluded that the tree medallion booth is very popular and will be continued in 2015.

Frank Kampel will contact Barb Boulka, a local artist, and see if she is willing to participate in the 2015 event.

The Committee concluded that, due to low participation, the children's poster contest would be eliminated in 2015. In 2016, the Committee will consider adding a photo contest.

Marilyn Arnlund suggested that the Committee keep the buckthorn display, as it is very helpful in teaching the public to identify the plant.

The Committee concurred that it will seek to contract again with the Raptor Center in 2015, but it will hold off in contracting with the Reptile and Amphibian Zoo and the Splatter Sisters. The Committee discussed that the Splatter Sisters tended to get loud, and that it made conversation with event-goers difficult.

The Committee will discuss further event details at its February meeting.

Youngstedt's Car Wash

Frank Kampel introduced a landscape plan for the proposed Youngstedt's Car Wash, which will be located southeast of the Holiday Gas Station on Maple Grove Parkway and I-94. Kampel stated that the plan meets minimum requirements, with the exception of trees of one particular species, and asked the Arbor Committee to provide input on the plan.

Mary Parenteau suggested that, due to the fact that honey locust trees have very wide canopies when they are full grown, that the honey locust tree closest to the car wash entrance be moved further from the building.

There were no other comments on the landscape plan. Frank Kampel will provide feedback to the developer.

Area Reports

Frank Kampel stated that he received an email from a Minnesota Department of Transportation (MnDOT) employee who confirmed that fallen trees along Elm Creek, behind the I-94 Rest Area, have been removed.

Frank Kampel noted that the Public Works Department has been notified about the "blind child" sign on Nathan Lane and 101st Avenue and the "deaf child" sign on Willow Road, south of West Timber Lane. The Public Works Department is currently in the process of a city-wide sign replacement project, in which all signs are evaluated on a neighborhood-by-neighborhood basis. When the program reaches these two individual neighborhoods, the "blind child" and "deaf child" signs will be reevaluated to determine if they are still needed.

Frank Kampel noted that flashing pedestrian lights on Weaver Lake Road, near the vicinity of Weaver Lake Elementary School, have been fixed.

Arbor Committee Meeting Minutes
January 8, 2015

Chair Parenteau asked whether or not the new sign on the Upsher-Smith building along I-494, south of East Fish Lake Road, meets the City's sign code requirements. Council Member Johnson stated that he will meet with the Community Development Director to discuss the sign and report back to the Arbor Committee.

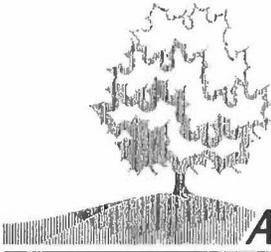
Council Member Johnson stated that Opus Development Company has rescinded its proposal to develop the northeast corner of Hemlock Lane and Elm Creek Boulevard as part of the final phase of the Arbor Lakes project.

Citizen Adam Bedard stated that he has applied to be a member of the Arbor Committee, and hopes that the City considers him for appointment.

Adjournment

Joe Hogeboom made a motion to adjourn the meeting at 8:15 pm. The motion was seconded by Julie Gamber and passed unanimously on voice vote.

Respectfully submitted,
Joe Hogeboom, Secretary
City of Maple Grove Arbor Committee



MAPLE GROVE
ARBOR COMMITTEE

REQUEST FOR COMMITTEE ACTION

Item Number: 4A

Meeting Date: February 12, 2015

Agenda Heading: New Business

Agenda Item: Skye at Arbor Lakes 2nd Addition

Recommended Committee Action:

Review and comment on landscape plan for the second phase of the Skye at Arbor Lakes development.

Discussion:

A second building to the Skye at Arbor Lakes development has been submitted to the City. This phase consists of a four story building adjacent to and southwest of the first phase buildings (apartment building and club house). A landscape plan has been submitted in conjunction with this second phase development. The plan provides for a good variety of deciduous, ornamental and conifers and a good variety of shrubs and perennials. The site will be well landscaped after completion.

The building plans call for three (3) courtyards, one of which is totally enclosed on all sides by a four-story building and the other two are open to the northwest but otherwise enclosed. Staff has been assured by the Landscape Architect that designed the project that the plant materials proposed for these three (3) courtyard areas will do fine in a low light, no direct sun environment.

There are 25 Maple and Spruce trees being proposed, which the Arbor Committee has indicated are overplanted in the City. Staff can suggest alternate trees but there is currently no prohibition on the planting of Maple or Spruce trees.

Arbor Committee review and comment on the attached landscape plan is requested.

Committee Comments:



REQUEST FOR COMMITTEE ACTION

Item Number: 5A

Meeting Date: February 12, 2015
Agenda Heading: Old Business
Agenda Item: 2015 Arbor Day Planning

Recommended Committee Action:

Continue discussing the 2015 Arbor Day event scheduled for Saturday, April 25, 2015 from 12:00 noon to 4:00 p.m. at the Maple Grove Community Center.

Discussion:

Below is a summary of the activities proposed for this year's event and their status.

Activities confirmed and/or booked:

- Reptile and Amphibian Discovery Zoo (12:00 – 1:00)
- U of M Raptor Center (3:00 – 4:00)
- Audubon Society
- Smokey the Bear and EAB costumes reserved
- DNR – Invasive species display
- Master Gardeners/Tree Care Advisors
- Tote bags (ordered and received – a sample will be brought to the meeting)
- Passbook scavenger hunt – coordinated by Terry Polski
- Someone from the University of Minnesota will be in attendance to conduct a “make your own bee house” event using bamboo stakes. The Bee Squad recommended this person.

Activities still in process of planning or denials:

- Dundee Nursery trees – need list of trees desired. The following trees were in the Community Center entrance corridor last year:
 - Hackberry
 - Kentucky Coffeetree
 - Gingko
 - Japanese Larch
 - Ohio Buckeye
 - Catalpa
 - Smoketree
 - Ironwood
 - Princeton Elm
- Barb Boulka, artist, letter sent – no response yet
- Home Depot, letter sent – no response yet
- Wood carvers, letter sent – no response yet
- Buckthorn Busters – Mary Lynn to check into
- Yellow Tree Theatre – Mary Lynn to check into
- Flower pots with seeds – waiting until Ed Lynde returns from Arizona
- Flyers to schools – will work on
- Tree raffle – will be ordered as part of the Spring tree sale
- Tree seedling give-away – staff has requested the seedlings offered not include Maples or Spruces. Still waiting to find out what seedlings will be available.
- National Honor Society – will be contacting for assistance with students to wear the Smokey and EAB costumes and assist with other activities as needed.
- Tree inventory display – continue discussion

Arbor Committee
Request for Committee Action
Item Number 5A
Page 2

- Refreshments – to be determined
- Arbor Committee display – continue discussion
- Horticultural Society – cannot participate this year

Please bring up any other item or activity that needs to be discussed regarding this year's event.

Committee Comments:



REQUEST FOR COMMITTEE ACTION

Item Number: 5B

Meeting Date: February 12, 2015

Agenda Heading: Old Business

Agenda Item: Landscape Tree Suggestion List

Recommended Committee Action:

Review preliminary list submitted.

Discussion:

Attached is the latest version which includes revisions mentioned at the last meeting and a continual review by staff. It was suggested previously that a list be added that states the trees the Committee suggests not be planted. Staff requests the Committee provide such a list that can be included within the attached. Current City Code (Section 36-831) Required Landscaping, includes language which states that the following trees shall not be planted:

- Any elm not resistant to Dutch Elm Disease
- Boxelder
- Ash
- Amur Maple
- Norway Maple
- Russian Olive
- Black Locust
- Gingko (female only)

These could be included in such a list along with any other trees the Committee desires.

Thank you to Marilyn Arnlund for putting in many hours of work on the list.

Committee Comments:

Landscape Tree Suggestions

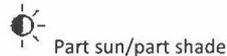
The following document is split into multiple sections. Native selections are listed first, followed by non-native species. The native species are those defined by the MN DNR Division of Forestry for the Big Woods Ecological Subsection. Additionally, native plants are best adapted to the local climate. Once established, they seldom need watering, mulching, protection from frost or continuous mowing; They are used by beautiful and diverse native butterflies and insects. In contrast, many common horticultural plants require insect pest control to survive; Moreover, native plants and plant communities provide habitats and refuges for wildlife, especially birds. (Adapted from the MN DNR website: <http://www.maplegrovemn.gov/about/boards-and-commissions/arbor-committee/resources/>)

Native Deciduous – small

Common Name (Latin)	At Maturity		Growth Rate	Light Preference	Tolerance to:				Comments & Notable Varieties
	Height	Spread			Salt	Wet	Clay Soils	Drought	
1. Alder, Speckled (Alnus rugosa)	15-20'	15-20'	F		L	H	H	L	Needs moist conditions. Improves soil fertility with nitrogen. Dark purple fruit persists on wood that turns orange in winter. Age 25-50 years.
2. Bladdernut, American (Staphylea trifolia)	10-15'	10-15'	M		L	I	H	I	Interesting 1-2" seed pods. Yellow fall color.
3. Blue Beech (Carpinus Caroliniana)	15-18'	15-20'	S	  	L	L	L	L	Also called American Hornbeam. Good fall color; interesting bark. Understory tree. Age 50-75 years.
4. Dogwood, Gray (Cornus racemosa)	8-12'	6-10'	M	  	L	H	H	L	White flowers, white fruit, purple-red fall color. May colonize.
5. Dogwood, Pagoda (Cornus alternifolia)	15-25'	20-25'	S	 	L	I	I	L	White spring flowers; interesting horizontal branching pattern. Beneficial for butterflies. pH 4.0-7.5. Potentially invasive.

Key:

Light:



Growth Rate:

F – fast
M – moderate
S – slow

Tolerance: H – high

I – intermediate
L – low

Common Name (Latin)	At Maturity		Growth Rate	Light Preference	Tolerance to:				Comments & Notable Varieties
	Height	Spread			Salt	Wet	Clay Soils	Drought	
6. Eastern Wahoo (Euonymus atropurpurea)	20-25'	10-15'	M		L	I	H	I	Twigs have corky ridges or wings. Red fall color. Pinkish fruit. Age 25-50 years.
7. Hawthorn, Cockspur (Crataegus crusgalli)	15-18' 15-25'	20-25' 20-30'	M S		L	H	H	H	Bright red fruit; seek out thornless varieties. Deer usually avoid eating. Beneficial for butterflies. Age 50-100 years. Potentially invasive.
8. Ninebark, Common (Physocarpus opulifolius)	8-10'	8-10'	M		I	H	H	I	Dense growth.
9. Serviceberry (Amelanchier spp.)	15-25'	10-15'	M		H	H	H	L	White flowers in spring; good fall color. Very high wildlife value, bird magnet. Edible fruit. Consider Downy (A. arborea) or Allegheny (A. laevis) varieties.
10. Buffaloberry, Silver (Shepherdia argentea)	8-10'	8-10'	M		H	H	H	L	Silvery, light green leaves. Berries in late summer.
11. Viburnum, Arrowwood (Viburnum dentatum)	6-8'	6-8'	M		I	H	H	I	Very shade tolerant. Also recommended varieties: Witherod Viburnum (V. cassinoides) or Mapleleaf Viburnum (V. acerifolium)
12. Viburnum, Nannberry (Viburnum lentago)	16-20'	10-20'	F		L	H	H	L	White flowers. Rose-pink fruit turns blue-black. Purple-red fall color. Edible fruit, but large central pit. Often along forest edges, swamps. Age 10-20 years.
13. Crimson Cloud Hawthorn (Crataegus laevigata)	15'	10-15'	M		L	H	H	H	Rounded form. Red fruit and flowers. Minor insect and disease concerns. pH 6.0-8.0
14. Ivory Silk Lilac (Syringa reticulata 'Ivory Silk')	15-25'	15-20'	M		H	H	H	M	Introduced in Ontario Canada. Has superior bloom & foliage. Flowers at a young age. Sturdy & more compact growth than other species. Cherry-like bark. Intolerant to compacted soil. pH 6.5-8.0

Key:

Light:



Growth Rate:

F – fast
M – moderate
S – slow

Tolerance: H – high

I – intermediate
L – low

Native Deciduous – medium

Common Name (Latin)	At Maturity		Growth Rate	Light Preference	Tolerance to:				Comments
	Height	Spread			Salt	Wet	Clay Soils	Drought	
1. Ironwood or Hophornbeam (Ostrya virginiana)	25-45'	20-35'	S		L	H	H	L	Tolerates wide range of soil and light conditions (grows faster in more sun). Attractive catkins resemble 'hops'. Holds leaves into winter. Age 75-100 years.
2. Linden, Littleleaf (Tilia cordata)	35-50'	20-30'	M		I	H	H	I	Excellent shade tree. Beneficial for bees and other wildlife. Very susceptible to storm damage. pH 6.5-7.5
3. Plum, American (Prunus Americana)	20-35'	20-30'	F		L	L	H	H	Produces sweet-spice scented white blooms. Edible fruit. Age 25-30 years.
4. Black Willow (Salix nigra)	35-55'	20-40'	F		M	H	H	H	Only native willow to MN that reaches tree size. Form is columnar.

Native Deciduous – tall

Common Name (Latin)	At Maturity		Growth Rate	Light Preference	Tolerance to:				Comments
	Height	Spread			Salt	Wet	Clay Soils	Drought	
1. Birch, Paper (Betula papyrifera)	40-70'	25-50'	M		M	H	I	L	Attractive white bark, yellow fall color. Choose insect-resistant cultivars. Age 80-100 years. Available in clump or single stem forms. pH 5.0-8.0
2. Birch, River (Betula nigra)	40-60'	30-40'	M		I	H	H	L	Attractive bark. High wildlife value. Available in clump or single stem forms. Age 50-75 years.
3. Butternut (Juglans cinerea)	50-75'	50-75'	M F		L	H	H	L	Gray bark color. Edible nuts. Age 80-100 years. pH 6.6-8.0

Key:

Light:



Full Sun



Part sun/part shade



Shade

Growth Rate:

F – fast
M – moderate
S – slow

Tolerance: H – high

I – intermediate
L – low

Common Name (Latin)	At Maturity		Growth Rate	Light Preference	Tolerance to:				Comments
	Height	Spread			Salt	Wet	Clay Soils	Drought	
4. Cherry, Black (<i>Prunus serotina</i>)	70-100'	35-50'	F	 	I	H	H	I	Found naturally along woodland edges. Great wildlife value. Age 125-150 years. Has toxic roots, stem, leaves, flowers & fruit.
5. Cherry, Pin (<i>Prunus pensylvanica</i>)	20-35'	20-35'	F		L Spray-M	H	L	H	Attractive bark. Bright red-orange color in fall. Edible fruit. Great wildlife value. Age 20-40 years. pH 6.0-7.5
6. Coffeetree, Kentucky (<i>Gymnocladus dioicus</i>)	50-70'	30-50'	M		I	I	H	H	Provides open shade; 4-8" long pods (female trees) create interest in winter. Age 50-75 years.
7. Hackberry (<i>Celtis occidentalis</i>)	50-75'	35-50'	M F	  	I Spray-L	H	H	H Silty Clay	Unique bark; adaptable. Persistent berries. High wildlife value. Age 100-150 years. pH 6.5-8.0
8. Hickory, Bitternut (<i>Carya cordiformis</i>)	50-75'	50-75'	S	 	I	H	H	I	Yellow color in fall. Nuts produced are very bitter. Age 100-150 years.
9. Honey locust (<i>Gleditsia triacanthos</i>)	50-75'	50-75'	M F	 	H	H	H	H	Provides attractive "open" shade. Opt for thornless varieties: 'Moraine', 'Shademaster', or 'Skyline'. Age 100-125 years. pH 6.0-8.0
10. Linden (<i>Tilia Americana</i>)	50-75'	25-40'	F	  	L	I	H	I	Also called American Basswood. Excellent for larger sites. Age 150-200 years
11. Maple, Sugar (<i>Acer saccharum</i>) *	50-75'	50'	M S	  	L	H	L	L	Excellent fall color. Sap used for maple syrup. Leaves break down quickly. Age 150-200 years. pH 6.0-7.5
12. Oak, Bur (<i>Quercus macrocarpa</i>)	60-100'	75-100'	S	 	H spray-M	H	H	H	Excellent tree for urban landscapes. Age 150-250 years. Edible acorns. pH 4.6-8.0
13. Oak, Northern Pin (<i>Quercus ellipsoidalis</i>)	50-75'	50-75'	M S		L I	H	H	H	Good red fall color; distinctive pyramid form. Good wildlife value. Age 100-150 years. pH 5.5-7.5
14. Oak, Northern Red (<i>Quercus rubra</i>)	60-80'	40-50'	M	 	H Spray-L Soil-I	H	H	L	Withstands City conditions. Fast growth rate for oaks. Age 100-150 years. pH 4.0-6.5
15. Oak, Swamp White (<i>Quercus bicolor</i>)	40-60'	30-60'	M	 	H (soil)	H	H	L	Quite adaptable. Unique bark. Holds leaves into winter. Very high wildlife value. Age 150-200 years.

Key:

Light:



Full Sun

Growth Rate:

F – fast
M – moderate
S – slow

Tolerance: H – high

I – intermediate
L – low

December 2014



Part sun/part shade



Shade

Common Name (Latin)	At Maturity		Growth Rate	Light Preference	Tolerance to:				Comments
	Height	Spread			Salt	Wet	Clay Soils	Drought	
16. Walnut, Black (Juglans nigra)	70-100'	75-100'	M F		H (soil) I	I H	H	H	Produces sizeable and edible fruit. Some plants may be sensitive being nearby. Age 150-175 years.
17. Northern Catalpa (Catalpa speciosa)	40-75'	25-50'	F		I	H	I	H	White flowers in the spring with capsule fruit. Yellow fall color. Tolerant of compacted soil. pH 6.1-8.0

*Maple trees tend to be overplanted in Maple Grove. Consideration should be given to plant other trees to aid in tree diversification.

Native Coniferous (Evergreens)

Common Name (Latin)	At Maturity		Growth Rate	Light Preference	Tolerance to:				Comments
	Height	Spread			Salt	Wet	Clay Soils	Drought	
1. Fir, Balsam (Abies balsamea)	50-75'	20-30'	S		L	H	H	L	Withstands pollution. Fragrant needles. Age 100-150 years.
2. Hemlock, Emerald Fountain (Tsuga Canadensis 'Monier')	6-10'	2-3'	F		L	H	H	L	Shad tolerant.
3. Hemlock, Weeping (Tsuga Canadensis 'Sargentii')	10-15'	6-8'	F		L	L	L	L	Prefers moist well drained acidic soil. Benefits from protection from winter winds.
4. Larch, American (Larix laricina)	40-70'	20-35'	M		H	H	H	I	Also called Tamarack, Needles yellow in fall and drop off; small cones. Likes wet/boggy areas. Age 100-150 years.
5. Pine, Red (Norway) (Pinus resinosa)	75-100'	35-55'	M F		I	H	L	L	Minnesota State Tree. Also called Norway Pine. Produces large cones. Age 150-200 years. Major insect & disease concerns.
6. Spruce, Black Hill (Picea glauca 'densata') *	30-50'	20-35'	S		H	I	H	H	More dense and ornamental than other spruce.
7. Spruce, White (Picea glauca) *	40-60'	12-20'	M		H	I	H	H	Hardy; Needs full sun. Age 175-200 years.

Key:

Light:



Full Sun

Growth Rate:

F – fast
M – moderate
S – slow

Tolerance: H – high

I – intermediate
L – low



Part sun/part shade



Shade

Common Name (Latin)	At Maturity		Growth Rate	Light Preference	Tolerance to:				Comments
	Height	Spread			Salt	Wet	Clay Soils	Drought	
8. Northern White Cedar (Thuja occidentalis)	30-60	20-50	M		Spray-L Soil-H	H	H	I	Nice shape and form. Susceptible to storm damage. pH 6.0-8.0
9. Japanese Larch (Larix kaempferi)	70-90	25-40	F		H	H	H	L	Considered the most handsome Larch & fastest growing when young. Plant in a large area due to size.

*Spruce trees tend to be overplanted in Maple Grove. Consideration should be given to plant other trees to aid in tree diversification.

Non-Native Plants - Deciduous – small

Common Name (Latin)	At Maturity		Growth Rate	Light Preference	Tolerance to:				Comments
	Height	Spread			Salt	Wet	Clay Soils	Drought	
1. Birch, Fox Valley (Betula nigra 'Little King')	10'	12'	F		I	H	L	L	In River Birch family. Very dense, compact growth. Most adaptable birch. "Cully" has high tolerance to clay soils. 45-50' H and 30-35 Spread
2. Chokecherry, Amur (Prunus maackii)	20-30'	18-25'	F		L	L	H	L	Showy white flowers; attractive copper bark.
3. Crabapple (Malus spp.)	10-30'	8-20'	M		L	H	H	I	White to pink flowers in spring. Choose cultivars with small, persistent fruit. Varieties are: 'PrairieFire', 'Donald Wyman', 'Sargent's', 'Purple Prince', 'Harvest Gold', 'Coralburst,' 'Profusion'. Choose disease resistant! ("Radiant, Prairie, Indian Magic, and Pink Spires" have Major disease concerns.
4. Hydrangea, Tree Form (Hydrangea paniculata 'Grandiflora')	8-10'	6-10'	F		H	I	H	L	White to pink flowers

Key:

Light:



Full Sun



Part sun/part shade



Shade

Growth Rate:

F – fast
M – moderate
S – slow

Tolerance: H – high

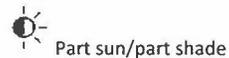
I – intermediate
L – low

Common Name (Latin)	At Maturity			Light Preference	Tolerance to:				Comments
	Height	Spread	Growth Rate		Salt	Wet	Clay Soils	Drought	
5. Lilac, Dwarf Korean (Syringa meyeri 'Palibin')	6-8'	5-7'	F		I	I	H	I	An excellent specimen tree for small areas.
6. Lilac, Japanese Tree (Syringa reticulata)	15-25'	15-20'	M		I H	I H	H	I	Showy white flowers in summer. Easy to plant bareroot in spring and fall as well as container. pH 6.5-8.0
7. Lilac, Miss Kim (Syringa patula)	8-10'	10-15'	S		I Spray-I	L H	H	I	Fragrant pink flowers. Burgundy fall color. If require smaller variety, consider 'Tinkerbelle' (Syringa 'ballbelle') just 5-6' in height/width. pH 6.5-7.5
8. Magnolia (Magnolia acuminata) (Magnolia leobneri)	8-30'	8-30'	M		I	L	L	L	ZONE 5-9 Fragrant flowers in April to May. Loebneri Magnolia runs taller – 'Merrill' variety has done well at the MN Landscape Arboretum.
9. Maple, Korean * (Acer Pseudosieboldianum)	15-25'		M		L	I		I	A hardy version of a Japanese maple. Exfoliating bark and reddish-gold fall color.
10. Viburnum, Blackhaw (Viburnum prunifolium)	10-15'	8-12' 6-12'	M		L	H	H	I H	White flower clusters, pink fruits turn black in fall. Red/bronze fall color.
11. Viburnum, Mohican (Viburnum lantana 'Mohican')	8' 7-8'	8' 7-10'	F S		L	H	I	I H	Creamy white flowers. Orange/red fruit turns black in fall. Red fall color. pH 6.0-7.0
12. Willow, Arctic Blue Leaf (Salix purpurea 'Nana')	6-10' 3-4'	3-6'	M F		I	H	H	I	Fine textured blue-green foliage. Branches are used to make baskets.
13. Homestead Buckeye (Aesculus X 'Homestead Buckeye')	25-30'	20-35'	S		H	H	I	L	Dark orange-red flowers. Resistant to scorch & mildew. Fruitless. Do not plant bareroot. pH 6.0-7.5
14. Ohio Buckeye (Aesculus glabra)	25-35'	20-35'	S		I	H	H	L	Yellow spring flowers; orange fall color. Butterflies love the flowers. pH 6.0-7.5

* Maple trees tend to be overplanted in Maple Grove. Consideration should be given to plant other trees to aid in tree diversification.

Key:

Light:



Growth Rate:

F – fast
M – moderate
S – slow

Tolerance: H – high

I – intermediate
L – low

Deciduous – medium

Common Name (Latin)	At Maturity		Growth Rate	Light Preference	Tolerance to:				Comments
	Height	Spread			Salt	Wet	Clay Soils	Drought	
1. Pear, Ussurian (<i>Pyrus ussurlensis</i>)	30-45'	30-45'	M		I	I	H	H	Showy spring flowers. Fruit inedible, but not present on solitary trees. Very hardy. pH 5.5-8.0
2. Redbud, Eastern (<i>Cercis Canadensis</i>)	20-30'	25-35'	M S		I	H	H Silty Clay	L	Reddish purple flower in spring. Age 50-75 years. Major disease concerns. pH 6.1-8.0
3. Willow, Laurel (<i>Salix pentandra</i>)	20-40'	15-35'	F		I	H	H	I	Glossy, attractive dark green foliage. Age 20-40 years.
4. Yellowwood, American (<i>Cladrastis lutea</i>)	30-45'	40-45'	M		I	I	I	H	Yellow fall leaf color. Clusters of fragrant white flowers. High pH & dry soil tolerant.
5. Blue Beech (<i>Carpinus caroliniana</i>)	15-30'	15-25'	S		I	H	I	L	Also known as Hornbeam
6. Bebb Willow (<i>Salix bebbiana</i>)	20-35'	20-35'	F		H	H	H	H	pH 5.5 - 7.5 Can survive short periods of standing water, but growth rates decline sharply if water persists above the root collar. Is not drought tolerant, but prefers sites with adequate moisture. It is also shade intolerant and grows best in full sunlight

Deciduous – tall

Common Name (Latin)	At Maturity		Growth Rate	Light Preference	Tolerance to:				Comments
	Height	Spread			Salt	Wet	Clay Soils	Drought	
1. Cork tree, Amur (<i>Phellodendron</i> spp. Sachalinense 'His Majesty')	30-50'	30-50'	F		I	I	H	H	Interesting corky bark, Pollution tolerant, adaptable to wide range of soil types. pH 5.0 – 8.2 Tolerant to compacted soil.

Key:

Light:



Growth Rate:

F – fast
M – moderate
S – slow

Tolerance: H – high

I – intermediate
L – low

Common Name (Latin)	At Maturity		Growth Rate	Light Preference	Tolerance to:				Comments
	Height	Spread			Salt	Wet	Clay Soils	Drought	
2. Elms, Hybrid (Ulmus hybrids)	40-60'	20-40'	F	  	I	I	H	H	Cultivars resistant to Dutch Elm disease: 'Accolade', 'New Horizon', 'Homestead', 'Discovery', and 'Cathedral'. Beneficial for butterflies.
3. Maple, Autumn Blaze (Acer X Freemanii) *	40-60'	40'	F	 	L	H	L	H	Red fall color. Beneficial for butterflies.
4. Princeton Sentry Ginkgo (Ginkgo biloba 'Princeton sentry')	55 – 60	25 – 30	S		H	H	H	H	Yellow fall color. pH 6.1 – 8.0

*Maple trees tend to be overplanted in Maple Grove. Consideration should be given to plant other trees to aid in tree diversification.

Coniferous – small

Common Name (Latin)	At Maturity		Growth Rate	Light Preference	Tolerance to:				Comments
	Height	Spread			Salt	Wet	Clay Soils	Drought	
1. Arborvitae, Eastern (Thuja occidentalis)	10-15'	3-5'	M		L	I	H	I	'Emerald' variety is narrow, compact, and pyramidal form. 'Nigra' variety is pyramidal. 'Techny' variety is also a strong grower.
2. Techny Arborvitae (Thuja occidentalis, 'Techny')	15 – 25	6 – 20	M	 	Spray=L Soil=M	H	H	L	Good dense hedge or screen. Retains deep green color all year. Susceptible to cold injury and storm damage. pH 6.0 – 8.0
3. Juniper, Chinese (Juniperus chinensis)	8-15'	6-12'	M		I	L	H	H	Excellent evergreen foliage; females produce berry-like cones.
4. Larch, Deborah Waxman (Larix laricina 'Deborah Waxman')	6'	4'	F		L	I	H	L	Dwarf form of American Larch. Blue-green needles turn golden yellow in fall.
5. Pine, Macopin (Pinus strobes 'Macopin')	8-10'	8-10'	S		L	L	H	I	Dwarf form of white pine. Upright habit with large quantity of cones.
6. Pine, Mugho (Pinus mugo)	12-15'	12-15'	M	 	H	L	H	H	Dense, wide-spreading form.

Key: Light:



Full Sun

Growth Rate:

F – fast
M – moderate
S – slow

Tolerance: H – high

I – intermediate
L – low

December 2014



Part sun/part shade



Shade

Common Name (Latin)	At Maturity		Growth Rate	Light Preference	Tolerance to:				Comments
	Height	Spread			Salt	Wet	Clay Soils	Drought	
7. Pine, Slim Jim (Pinus sylvestris 'Slim Jim')	8-10'	4'	S		L	L	H	H	Dense columnar form of Scotch Pine with twisted dark green needles.
8. Pine, Mugho (Pinus mugo 'Tannenbaum')	10-15'	6'	S		L	L	H	H	Compact, pyramidal form with good winter color.
9. Spruce, Acrocona (Picea abies 'Acrocona') *	8'	4'	S		L	L	H	I	Compact & upright growth habit
10. Spruce, Alberta (Picea glauca 'Conica') *	13'	10'	S		L	L	L	I	Attracts birds, deer resistant
11. Spruce, North Star (Picea glauca 'North Star') *	12'	4'	S		I	I	L	L	Resilient to harsh winter conditions. No significant negative characteristics.
12. Yew, Upright Japanese (Taxus cuspidate 'Capitata')	10-12'	3-5'	S		L	L	I	I	Prefers moist well drained soil. Shade tolerant. Needs protection from winter winds.

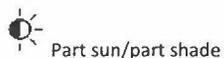
*Spruce trees tend to be overplanted in Maple Grove. Consideration should be given to plant other trees to aid in the diversification.

Coniferous – medium & tall

Common Name (Latin)	At Maturity		Growth Rate	Light Preference	Tolerance to:				Comments
	Height	Spread			Salt	Wet	Clay Soils	Drought	
1. Fir, White (Abies concolor)	30-50'	15-25'	M		I	I	H	I	Soft, evergreen foliage; excellent pyramidal form. pH 4.0 – 6.5
2. Pine, Scotch (Pinus sylvestris)	30-50'	25-40'	M		L	L	L	H	Attractive orange bark. Age 100-150 years.
3. Balsam Fir (Abies balsamea)	50-75'	20-30	S		I	H	H	I	Very popular as Christmas trees.
4. Pine, Swiss Stone (Pinus cembra)	25-35'	10-15'	S		L	L	L	I	Dense, conical growth form; dark green foliage.

Key:

Light:



Growth Rate:

F – fast
M – moderate
S – slow

Tolerance: H – high

I – intermediate
L – low

Common Name (Latin)	At Maturity		Growth Rate	Light Preference	Tolerance to:				Comments
	Height	Spread			Salt	Wet	Clay Soils	Drought	
5. Spruce, Norway (Picea abies) *	40-65'	20-35'	F		L	L	H	I	Produces large cones of any spruce. Age 150-200 years. Intolerant to compacted soil. Largest and fastest growing spruce. pH 4.7 – 7.5

*Spruce trees tend to be overplanted in Maple Grove. Consideration should be given to plant other trees to aid in tree diversification.

Key:

Light:



Full Sun



Part sun/part shade



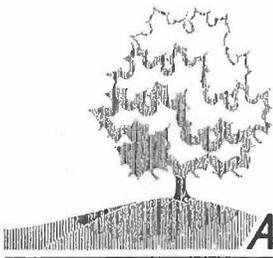
Shade

Growth Rate:

F – fast
M – moderate
S – slow

Tolerance: H – high

I – intermediate
L – low



MAPLE GROVE
ARBOR COMMITTEE

REQUEST FOR COMMITTEE ACTION

Item Number: 6

Meeting Date: February 12, 2015

Agenda Heading: Area Reports

Agenda Item: Area Reports

Recommended Committee Action:

None.

Discussion:

The Area Reports section of the agenda provides an opportunity for any Committee member to bring up any item in the City that needs attention. The matter will be forwarded to the appropriate staff member for comment and possible action and a report submitted to the Committee at the next meeting.

Attached is a memo from Community Development Director Dick Edwards regarding the Upsher Smith sign.

Committee Comments:

Frank Kampel

From: Dick Edwards
Sent: Wednesday, January 28, 2015 12:38 PM
To: Frank Kampel
Subject: Upsher Smith Sign

Frank-

This note confirms the sign on the west elevation of the Upsher Smith building expansion, that has drawn the interest of many, was permitted by the City. It meets dimensional standards (height, area) and illustrates the relationship between building size and signage area allowed.

Dick Edwards
Community Development Director
City of Maple Grove
763-494-6045
dedwards@maplegrovern.gov