

**City of Ramsey**  
**Agenda**  
**Environmental Policy Board (EPB)**  
**Monday February 6, 2012**  
**6:30 pm**  
**Mississippi River Room, 7550 Sunwood Drive NW**

1. **Call to Order**
2. **Citizen Input**
3. **Approve Agenda**
4. **Approve Minutes**
  1. Approve Meeting Minutes Dated January 9, 2012
5. **Policy Board Business**
  1. Establishment of 'Mini Arboretum' in North Commons
  2. Environmental Expo Event
6. **Board/Staff Input**
  - Update on Potential Joint Expo in 2013
  - EAB Workshop
  - Update on Vacancies
7. **Adjournment**

**Environmental Policy Board (EPB)**

**4. 1.**

**Meeting Date:** 02/06/2012

**By:** Chris Anderson, Community  
Development

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**Title:**

Approve Meeting Minutes Dated January 9, 2012

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**Attachments**

Meeting Minutes Dated January 9, 2012

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**Form Review**

<b>Inbox</b>	<b>Reviewed By</b>	<b>Date</b>
Chris Anderson (Originator)	Chris Anderson	02/02/2012 10:41 AM
Form Started By: Chris Anderson		Started On: 02/01/2012 02:06 PM
	Final Approval Date: 02/02/2012	

**ENVIRONMENTAL POLICY BOARD  
CITY OF RAMSEY  
ANOKA COUNTY  
STATE OF MINNESOTA**

On Monday, January 9, 2012, the Environmental Policy Board (EPB) met in the Mississippi River Conference Room at the Ramsey Municipal Center, 7550 Sunwood Drive N.W., Ramsey, Minnesota.

Members Present:     Chairperson Michael Max  
                          Board Member Bob Bentz (arrived at 6:34 p.m.)  
                          Board Member Thomas Stodola  
                          Board Member John Enstrom

Members Absent:     None.

Also Present:         Councilmember Backous  
                          Associate Planner/Environmental Coordinator Chris Anderson

**CALL TO ORDER**

Chairperson Max called the meeting to order at 6:30 p.m.

**CITIZEN INPUT**

None.

**APPROVAL OF AGENDA**

Motion by Board Member Stodola and seconded by Board Member Enstrom to approve the agenda as submitted.

Motion carried. Voting Yes: Chairperson Max, Board Members Stodola and Enstrom. Voting No: None. Absent: Board Member Bentz.

**APPROVAL OF ENVIRONMENTAL POLICY BOARD MINUTES**

Motion by Board Member Stodola and seconded by Board Member Enstrom to approve the regular meeting minutes dated December 5, 2011.

Motion carried. Voting Yes: Chairperson Max, Board Members Stodola and Enstrom. Voting No: None. Absent: Board Member Bentz.

## **POLICY BOARD BUSINESS**

### **Case #1: Green Building/LID Practices and ROI**

Board Member Bentz arrived.

Associate Planner/Environmental Coordinator Anderson presented the staff report.

Board Member Bentz asked how other communities determined the points associated with the various criteria. He stated that he was curious, for instance, why Duluth only assigned 0.75 points for redevelopment of a brownfield site.

Associate Planner/Environmental Coordinator Anderson stated that he does not know how Duluth or other communities assigned values to the various criteria. The checklist was included only as a reference and background for the discussion. It was not intended as a document to simply be replicated.

Associate Planner/Environmental Coordinator Anderson stated that communities may identify those criteria that they value most, possibly in unison with those that have been specifically identified in their comp plan, for instance, to create their checklist(s).

Board Member Enstrom stated that this is all good in theory but how would any of it be enforced if it's all just encouraged. He stated as an example the Tech School in Anoka did not incorporate any of these types of practices into their recent improvement project, and did not even get the required permits for their work, and nothing was done about it.

Associate Planner/Environmental Coordinator Anderson stated that he didn't believe the Council's goals are to establish more regulations but rather to educate, promote and encourage some potential alternative building practices that could help reduce costs for a project while also prompting more sustainable development. So, from that perspective, enforcement would be difficult, there wouldn't necessarily be anything to enforce unless a project did incorporate certain practices into their project and those were referenced in the Development Contract.

Board Member Bentz asked how LEED values were assigned.

Associate Planner/Environmental Coordinator Anderson stated again that he wasn't sure how those values were determined. He did state that certain LEED practices were incorporated into some recent projects such as the Allina Clinic and that the VA Clinic, since it was a federal project, will be a LEED certified building.

Associate Planner/Environmental Coordinator Anderson stated that he's hoping to be able to speak with a LEED certified professional, possibly through the contract with Landform, to ask some of these questions as well as questions on ROI.

Board Member Bentz stated that there may be a LEED forum that some questions could be submitted to as well.

Associate Planner/Environmental Coordinator stated that it sounds like what would be most beneficial for the Board to continue discussing a possible points system of some sort would be for him to touch base some of these communities like Maple Grove and Duluth that have created their own systems and see how those values were determined.

The Board concurred.

Councilmember Backous stated that before too much more work is done on this topic, it may be beneficial to get feedback from the City Council for their thoughts on exploring a points-based system.

Associate Planner/Environmental Coordinator Anderson stated that he believes that this is in line with the Board's approved work plan, as it ties in to green building practices, but that he'd try and get this topic added to a future work session agenda.

## **Case #2      2012 Environmental Expo Event**

Associate Planner/Environmental Coordinator Anderson presented the staff report.

Chairperson Max stated that he contacted Anoka Ramsey Farm and Garden and that they'd be willing to have a booth at the event related to raising chickens.

Associate Planner/Environmental Coordinator Anderson stated that that would be good but he'd want to provide some information about city regulations to them to be included in their exhibit to make sure that residents are aware that chickens aren't allowed on lots less than three (3) acres.

Chairperson Max asked when the order forms for the tree sale would be available.

Associate Planner/Environmental Coordinator Anderson stated that it would be included in the next issue of the Ramsey Resident newsletter and that once he's selected the various species that will be available he can build the price list and add it to the website. That could possibly be done over the next couple weeks.

General discussion ensued about speakers for the event.

Councilmember Backous suggested that it may be worthwhile to contact the Game Fair for potential speakers. He also stated that he knows somebody that works at Channel 5 and while he didn't know if it would be possible, he'd check on the possibility of having one of their weather personalities speak.

Associate Planner/Environmental Coordinator reviewed two options for incorporating a hands on activity, utilizing the AR room for that type of activity as well as some sort of kids presentation and not having any exhibitors in there or using a tent outside for the activities. He stated that he believes the pros of having it in the AR room are that there is no additional cost, it's indoors and so weather is not an issue, and there's access to electricity if necessary. The one main con is that it eliminates a lot of exhibitor space.

Associate Planner/Environmental Coordinator stated that he believes the main pro for using a tent is that it provides additional space for the event. However, he believes the cons, which would be added cost for tent rental and then getting those folks that partake in the hands on activity inside to check out all the other exhibits, probably outweigh the benefit of additional space.

Chairperson Max asked if there wasn't another conference room smaller than the AR room but larger than the Mississippi Room that could be used.

Associate Planner/Environmental Coordinator Anderson stated that there is the Lake Itasca Room but that was in the middle of the corridor and may sort of get lost amongst the exhibitor booths.

General discussion ensued about location for hands on activity and consensus was that having it inside was preferable and look at using the Lake Itasca Room for it and just develop signage or other attention getting visuals to direct people into the room.

Associate Planner/Environmental Coordinator Anderson suggested that the Board start putting some thought into their booth.

Board Member Stodola suggested maybe a flip book type of display that would be more hands on and interactive with attendees. The display could include invasive species for instance.

Councilmember Backous stated that the booth could also include recycling factoids and basic info on geothermal energy.

Chairperson Max stated that if a points system were to be developed as discussed in Case 1, it may be neat to have the attendees vote on what they would like developments/projects to emphasize in terms of developing a checklist and assigning values.

Board Member Stodola stated that at the holiday party he met someone that happened to be a manager at Lowe's and that he would check with him about possibly getting some kits for the hands on activity.

## **BOARD/STAFF INPUT**

Board Member Enstrom asked where things stood with filling the three (3) vacant seats on the Board.

Chairperson Max stated that he spoke with Councilmember Backous about the need to get the seats filled because with only four (4) sitting members, there's not as much 'good' discussion as there would be with a full complement of members which could also impact the quality of decisions made.

Board Member Enstrom stated that it also puts more pressure on the four (4) current members regarding decisions and discussion.

## **ADJOURNMENT**

Motion by Board Member Bentz and seconded by Board Member Stodola to adjourn the meeting.

The meeting adjourned at 8:05 p.m.

Respectfully submitted,

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Chris Anderson  
Associate Planner/Environmental Coordinator

**Environmental Policy Board (EPB)**

**5. 1.**

**Meeting Date:** 02/06/2012

**By:** Chris Anderson, Community Development

**Title:**

Establishment of 'Mini Arboretum' in North Commons

**Background:**

North Commons is a park within The COR that both the community and City Council have expressed an interest in improving. This topic was discussed at a City Council Work Session in January and City Council directed Staff to explore certain improvements within North Commons, including landscaping. Two specific components of the improvements seem to be connected with work that the Board has been involved with either previously or as part of the City Council approved work plan, topsoil and establishment of a 'mini arboretum'.

**Observations:**

As part of the improvements in North Commons, Staff has been given the 'green light' to conduct a topsoil experiment comparing both various topsoil compositions as well as varying depths to try to determine what combination is sufficient to accomplish the goal of water conservation. This is related to a larger review of both fees and costs associated with developing in the City.

Another aspect of the project is foresting the park. The site, at present, is essentially devoid of any trees. Staff has been authorized by City Council to apply for a Community Forest Bonding Grant through the MN DNR. There are three (3) categories within this grant cycle, one of which is to plant a more diverse and resilient community forest. Planting for diversity projects are eligible for up to \$25,000 for the purchase and installation of native trees on public lands and parks. Only trees identified on the DNR's Native Tree List are considered eligible costs (see attachment).

Establishing a 'mini arboretum' was included on the current work plan with the intent that it would be an educational resource to highlight trees that perform well in our sandy soils. Species indigenous to the area have evolved over time to perform in our micro-climate, including soils. So the use of trees from the DNR's native list will essentially accomplish this goal. Additionally, Staff intends to install small placards near the various species of trees to help the public identify what they are.

If we are successful in with our grant proposal, the tree installation would be completed with the use of a volunteer work force. This will not only help further reduce the cost to the City, but will also provide an opportunity to educate people on proper planting and care of trees. Planting activities would likely occur this fall.

**EPB Action:**

No action is necessary, this is for informational purposes.

**Attachments**

[North Commons Aerial View](#)

[DNR's Native Trees List](#)

**Form Review**

**Inbox**  
Chris Anderson (Originator)

**Reviewed By**  
Chris Anderson

**Date**  
02/02/2012 10:41 AM

Form Started By: Chris Anderson

Started On: 01/19/2012 11:39 AM

Final Approval Date: 02/02/2012

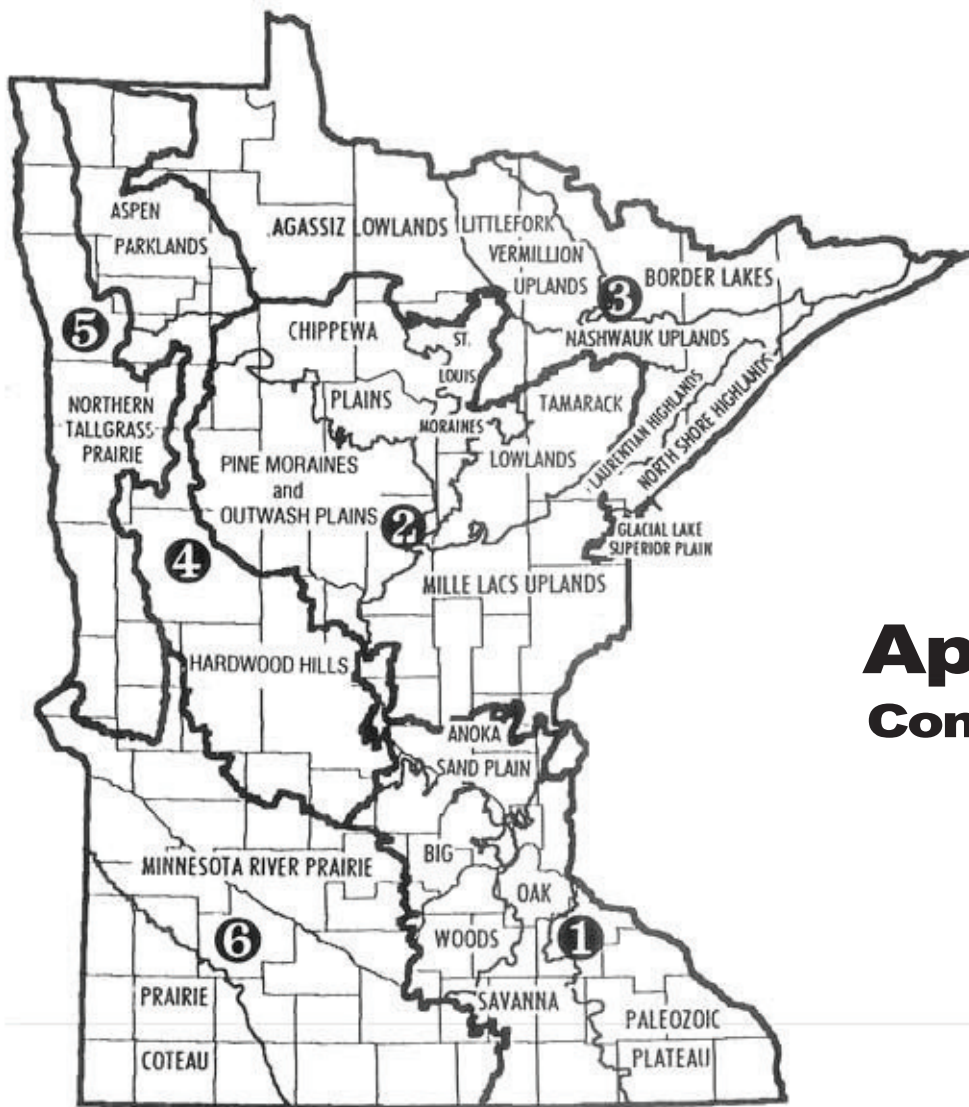


NORTH



SOUTH

**Grantees can only chose from TREE listings. Shrubs are not eligible for this grant program.**

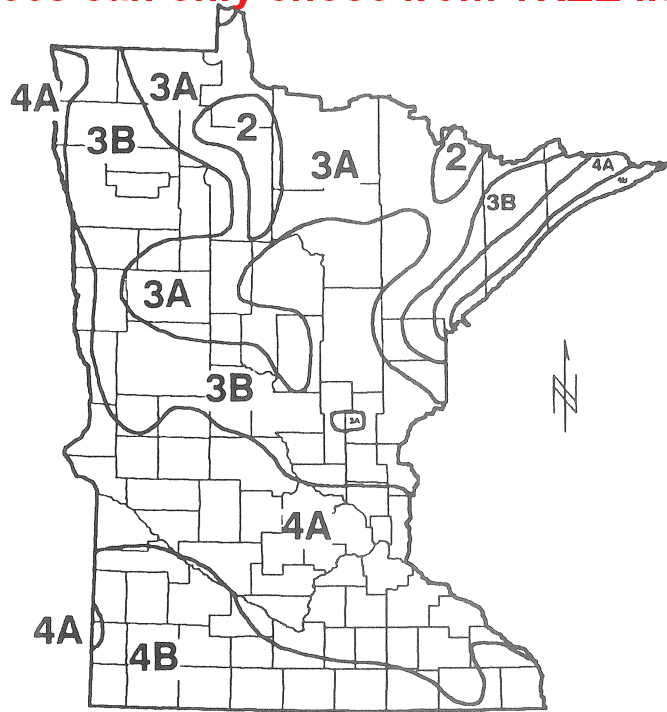


## **Approved Native Trees Community Forest Bonding Grant**

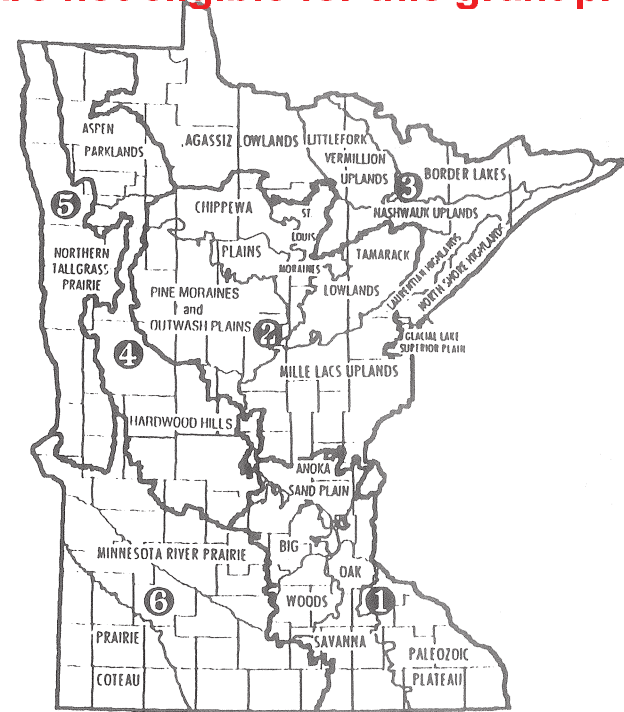
**MSA TREE RATING ZONES (1-6)  
and Ecological Subsections**



**Grantees can only chose from TREE listings. Shrubs are not eligible for this grant program.**



**USDA PLANT HARDINESS ZONES**



**MSA TREE RATING ZONES (1-6)  
and Ecological Subsections**

(Note: Three subsections have been subdivided since preparation of the information contained in these tables: Inner Coteau and Coteau Moraines (shown here as Prairie Coteau); Rochester Plateau and Blufflands (shown here as Paleozoic Plateau); Twin Cities Highlands and Oak Savanna (shown here as Oak Savanna).

<b>TREE RATING ZONES INDEX</b>	<b>EVERGREEN TREES</b>	<b>DECIDUOUS TREES</b>	<b>EVERGREEN SHRUBS</b>	<b>DECIDUOUS SHRUBS</b>
(paper color)	Page no.	Page no.	Page no.	Page no.
Zone 1 Southeast (green)	5	5	7	8
Zone 2 Central (gray)	9	9	11	11
Zone 3 Northern (blue)	13	14	16	16
Zone 4 North Central (yellow)	17	18	19	20
Zone 5 Red River Valley (pink)	21	21	23	23
Zone 6 Southwest (tan)	25	25	27	27

Comprehensive list of Tree and Large Shrub Species Native to Minnesota's Ecological Regions - Page 4

# Grantees can only chose from TREE listings. Shrubs are not eligible for this grant program.

## EXPLANATORY NOTES

This report provides information on native species in Minnesota for each of six Tree Rating Zones and for 21 Subsections which occur within them (see map on cover or on page 2). It is organized into six separate tables printed on different paper colors.

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### MnReLeaf Native Designation

All species on each Tree Rating Zone list can be considered "native" to the planting sites in all of the Tree Rating Zone for the purpose of counting native trees and windbreak shrubs within the Minnesota ReLeaf program. Site suitable cultivars and selections of the species listed may be counted as native. Minnesota ReLeaf participants are encouraged to use plants from local seed sources whenever that material is available as suitable nursery stock

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### Purpose of this List of Native Species

The Minnesota Legislature through the Legislative Commission on Minnesota Resources (LCMR) approved funding in 1995-97 for the Minnesota ReLeaf program stipulating in the appropriation language that the program "achieve the strategic planting of predominantly native shade trees and community windbreaks for statewide energy conservation and carbon dioxide abatement". Thus, this list of *Trees and Large Shrubs: Species Native to Minnesota's Ecological Regions* was developed by the Minnesota Department of Natural Resources, Division of Forestry for purposes of determining what may be counted as a Minnesota "native" by communities undertaking Minnesota ReLeaf projects.

This list is not intended as a recommended species list because some of the plants listed have serious problems or limitations in their use. Nor should these lists be used to determine species for use in a native plant community restoration project. Species listed for each region may be very common throughout the region or may be found only in a limited number of sites with special conditions.

### MSA Tree Rating Zones

The ecologically-defined regions called Tree Rating Zones are based upon the Ecological Classification System (ECS) in which the Minnesota Department of Natural Resources (DNR), in cooperation with national efforts, subdivided the state into three provinces (which are commonly called the prairie, hardwood forests, and boreal forests). These are further divided into Subsections based upon natural patterns of geology, soils, climate and native plant communities. (Three of the 21 original Subsections have recently been subdivided, as indicated on page 2, resulting in a new total of 24 Subsections).

The Minnesota Society of Arboriculture (MSA) worked with DNR Forestry staff to group the Subsections into six Tree Rating Zones. Basically, each of the three provinces was divided into two zones following the Subsection boundaries.

### USDA Plant Hardiness Zones

The following tables also provide information on the hardiness of the species. As shown in the map above, the USDA Plant Hardiness Zones 2, 3 and 4 occur in Minnesota. For each species, the tables include either the range of minimum and maximum hardiness zones, or solely the minimum hardiness zone, as derived from various sources. (In some cases, zone information was not available and is displayed n/a).

### Windbreak Shrubs

Only shrubs integral to the design and function of windbreaks will be funded through MnReLeaf. Therefore, this list of native species only includes shrubs which may grow six feet or taller. However, not all native shrubs listed here are likely to function well in a windbreak situation. For purposes of MnReLeaf, tree and windbreak shrub selection should take into account hardiness and site suitability as well as whether the species is native to the region.

### Supplemental Native Range Information

The information in the right-side shaded columns of the following tables is supplemental and indicates whether the native range of each species includes all or part of the entire tree rating zone, and all, part, or none of each ecological subsection.

### Determination of Native Species Lists

Whether the species listed here are native in any part of Minnesota was determined by using two published sources of information: Elbert L. Little's *Atlas of United States Trees* and Ownbey and Morley's *Vascular Plants of Minnesota*. Little's work consists of range maps for trees and some shrubs based upon published botanical lists, herbarium specimens, and field observations which are considered to represent the pre-Columbian ranges of vegetation. Ownbey and Morley's work consists of state maps which show dots where specimens were collected primarily for the University of Minnesota herbarium.

All 125 woody species (except Poison Sumac) which may grow over six feet tall and which occur anywhere in Minnesota according to either of these sources are included in the "Comprehensive List" on page 4 and in the following tables for each Tree Rating Zone.

The tables for each Tree Rating Zone and subsection were developed by first determining if Little's range maps showed the species in all, part, or none of that ecological region. This information was supplemented by adding species (primarily shrubs and additional juneberry, hawthorn, and willow species) that are in Ownbey, but not in Little. Out of these, most of the juneberry, hawthorn, and willow are mentioned without providing specific ranges. For the other additional species in Ownbey, as well as for species with collection points shown in Ownbey beyond the range shown in Little, the ranges were interpreted as "part" within a Tree Rating Zone or subsection if either a) two or more collection points were shown in Ownbey, or one point was shown within about 80 miles of two points; or b) one collection point was shown in Ownbey within about 80 miles of the Little range map. The Little range maps and selected Ownbey maps have been digitized into computer files and are available from DNR Metro Forestry upon request.

Several selections or subspecies (e.g., Freeman Maple and Flame Willow) that are genetically derived from native species were parenthetically added to the list.

# Grantees can only chose from TREE listings. Shrubs are not eligible for this grant program.

## Comprehensive List of TREES AND LARGE SHRUBS: Species Native to Minnesota's Ecological Regions.

Only the five species marked \* are native throughout Minnesota.  
For all other species, refer to Tree Rating Zone lists for native range.

BOTANICAL NAME	COMMON NAME	ALTERNATE NAME(S)	BOTANICAL NAME	COMMON NAME	ALTERNATE NAME(S)	BOTANICAL NAME	COMMON NAME	ALTERNATE NAME(S)
<b>EVERGREEN TREES</b>			<b>DECIDUOUS TREES (con't)</b>			<del><b>EVERGREEN SHRUBS</b></del>		
<i>Abies balsamea</i>	Balsam Fir		<i>Evonymus atropurpureus</i>	Eastern Wahoo		<del><i>Juniperus communis</i></del>	Common Juniper	
<i>Juniperus virginiana</i>	Eastern Redcedar		<i>Fraxinus americana</i>	White Ash		<del><b>DECIDUOUS SHRUBS</b></del>		
<i>Picea glauca</i>	White Spruce		<i>Fraxinus nigra</i>	Black Ash		<del><i>Alnus viridis crispa</i></del>	Mountain Alder	Green Alder
<i>(Picea glauca densata (Black Hills Spruce) MAY BE CONSIDERED NATIVE FOR PURPOSES OF THE MnRELEAF PROGRAM.)</i>			<i>Fraxinus pennsylvanica</i> *	Green Ash		<del><i>Amelanchier alnifolia</i></del>	Saskatoon Serviceberry	Western Serviceberry
<i>Picea mariana</i>	Black Spruce		<i>Gleditsia triacanthos</i>	Common Honeylocust		<del><i>(THE SPECIES Amelanchier bartramiana, humilis, intermedia and sanguinea MAY ALSO BE CONSIDERED NATIVE FOR PURPOSES OF THE MnRELEAF PROGRAM.)</i></del>		
<i>Pinus banksiana</i>	Jack Pine		<i>Gymnocladus dioica</i>	Kentucky Coffeetree		<del><i>Amorpha fruticosa</i></del>	Dull-leaf Indigobush	
<i>Pinus resinosa</i>	Red Pine	Norway Pine	<i>Juglans cinerea</i>	Butternut		<del><i>Aronia melanocarpa</i></del>	Black Chokeberry	<i>Pyrus melanocarpa</i>
<i>Pinus strobus</i>	Eastern White Pine		<i>Juglans nigra</i>	Black Walnut		<del><i>Betula pumila</i></del>	Bog Birch	<i>Betula glandulifera</i>
<i>Taxus canadensis</i>	Canada Yew	American Yew	<i>Larix laricina</i>	Tamarack	Eastern/American Larch	<del><i>Cephalanthus occidentalis</i></del>	Common Buttonbush	
<i>Thuja occidentalis</i>	Northern White Cedar	American Arborvitae	<i>Malus ioensis</i>	Prairie Crabapple		<del><i>Cornus amomum</i></del>	Silky Dogwood	
		Eastern Arborvitae	<i>Morus rubra</i>	Red Mulberry		<del><i>Cornus racemosa</i></del>	Gray Dogwood	
		Canadian Hemlock	<i>Ostrya virginiana</i>	Ironwood	Eastern Hop Hornbeam	<del><i>Cornus rugosa</i></del>	Round-leaved Dogwood	
<i>Tsuga canadensis</i>	Eastern Hemlock		<i>Populus balsamifera</i>	Balsam Poplar		<del><i>Cornus sericea</i> *</del>	Red-osier Dogwood	<i>stolonifera</i>
			<i>Populus deltoides</i>	Eastern Cottonwood	Eastern Poplar	<del><i>(Cornus baileyi (Red-twigged Dogwood) CAN ALSO BE CONSIDERED NATIVE FOR PURPOSES OF THE MnRELEAF PROGRAM.)</i></del>		Red-twigged Dogwood
<b>DECIDUOUS TREES</b>			<i>Populus grandidentata</i>	Bigtooth Aspen		<del><i>Corylus americana</i></del>	American Hazelnut	
<i>Acer negundo</i>	Box Elder	Manitoba Maple	<i>Populus tremuloides</i>	Quaking Aspen		<del><i>Corylus cornuta</i></del>	Beaked Hazel	
<i>Acer nigrum</i>	Black Maple		<i>Populus tremuloides</i>	Quaking Aspen		<del><i>Dirca palustris</i></del>	Leatherwood	
<i>Acer rubrum</i>	Red Maple		<i>Prunus americana</i>	American Plum		<del><i>Hamamelis virginiana</i></del>	Witch Hazel	
<i>Acer saccharinum</i>	Silver Maple	Soft Maple	<i>Prunus nigra</i>	Canada Plum		<del><i>Ilex verticillata</i></del>	Common Winterberry	
<i>(Acer x freemanii (Freeman Maple) IS A SILVER &amp; RED HYBRID THAT MAY BE CONSIDERED NATIVE FOR PURPOSES OF THE MnRELEAF PROGRAM.)</i>			<i>Prunus pennsylvanica</i>	Pin Cherry		<del><i>Physocarpus opulifolius</i></del>	Common Ninebark	
<i>Acer saccharum</i>	Sugar Maple	Hard Maple	<i>Prunus serotina</i>	Black Cherry		<del><i>Rhus glabra</i></del>	Smooth Sumac	
<i>Acer spicatum</i>	Mountain Maple		<i>Prunus virginiana</i> *	Common Chokecherry		<del><i>Rhus typhina</i></del>	Staghorn Sumac	
<i>Alnus rugosa</i>	Speckled Alder	<i>Alnus incana</i> , Hazel Alder	<i>Quercus alba</i>	White Oak	Swamp White Oak	<del><i>Salix discolor</i></del>	Fussy Willow	
<i>Amelanchier interior</i>	Inland Serviceberry	Inland Juneberry	<i>Quercus bicolor</i>	Bicolor Oak		<del><i>Salix exigua</i></del>	Coyote Willow	Sandbar Willow
<i>Amelanchier laevis</i>	Allegheny Serviceberry	<i>Amelanchier arborea</i>	<i>Quercus ellipsoidalis</i>	Northern Pin Oak		<del><i>(OTHER Salix (Willow) SPECIES THAT MAY BE CONSIDERED NATIVE FOR PURPOSES OF THE MnRELEAF PROGRAM ARE humilis, planifolia, and gracilis.)</i></del>		
		Downy Serviceberry	<i>Quercus macrocarpa</i>	Bur Oak		<del><i>Sambucus canadensis</i></del>	American Elder	
		Shadblow	<i>Quercus muehlenbergii</i>	Chinkapin Oak	Chestnut Oak	<del><i>Sambucus pubens</i></del>	Red-berried Elder	
<i>(THE HYBRID Amelanchier x grandiflora (Apple Serviceberry) and Amelanchier species huronensis and wiogandii MAY ALSO BE CONSIDERED NATIVE FOR PURPOSES OF THE MnRELEAF PROGRAM.)</i>			<i>Quercus rubra borealis</i>	Northern Red Oak	<i>Quercus borealis</i>	<del><i>Shepherdia argentea</i></del>	Silver Buffalo-berry	
<i>Betula alleghaniensis</i>	Yellow Birch	<i>Betula lutea</i>	<i>Quercus velutina</i>	Black Oak		<del><i>Staphylea trifolia</i></del>	American Bladdernut	
<i>Betula cordifolia</i>	Heart Leaved Birch		<i>Salix amygdaloides</i>	Peachleaf Willow		<del><i>Viburnum lentago</i></del>	Nannyberry	
<i>Betula nigra</i>	River Birch		<i>Salix bobbiana</i>	Long-beaked Willow	Bebb Willow	<del><i>Viburnum rafinesquianum</i></del>	Downy Arrow-wood	Rafinesque Viburnum
<i>Betula papyrifera</i>	Paper Birch	White Birch	<i>Salix lucida</i>	Shining Willow		<del><i>Viburnum trilobum</i></del>	American Cranberry Bush	
<i>Carpinus caroliniana</i>	Blue Beech	American Hornbeam	<i>Salix nigra</i>	Black Willow		<del><i>Zanthoxylum americanum</i></del>	Common Prickly-ash	
<i>Carya cordiformis</i>	Bitternut Hickory		<i>Salix pellita</i>	Ontario Willow				
<i>Carya ovata</i>	Shagbark Hickory		<i>Salix petiolaris</i>	Meadow Willow				
<i>Celtis occidentalis</i>	Hackberry		<i>Salix pyrifolia</i>	Balsam Willow				
<i>Cornus alternifolia</i>	Pagoda Dogwood	Alternate-leaf Dogwood	<i>Salix serotina</i>	Autumn Willow				
<i>Crataegus mollis</i>	Downy Hawthorn		<i>(Salix spp. 'Flame' AND S. eriocephala MAY ALSO BE CONSIDERED NATIVE FOR PURPOSES OF THE MnRELEAF PROGRAM.)</i>					
<i>Crataegus punctata</i>	Dotted Hawthorn		<i>Sorbus americana</i>	American Mountain Ash	<i>Pyrus americana</i>			
<i>(OTHER Crataegus (Hawthorn) SPECIES THAT MAY BE CONSIDERED NATIVE FOR PURPOSES OF THE MnRELEAF PROGRAM ARE calpodendron, chryscarpa, douglasii, faxoni, irritata, lauratifolia, macrocarpa, pedicellata, roanensis, and succulenta.</i>			<i>Sorbus decora</i>	Showy Mountain Ash	<i>Pyrus decora</i>			
			<i>Tilia americana</i> *	Basswood	American Linden			
			<i>Ulmus americana</i> *	American Elm				
			<i>Ulmus rubra</i>	Slippery Elm	Red Elm			
			<i>('Lincoln' IS A DUTCH ELM DISEASE-RESISTANT SELECTION OF Ulmus rubra.)</i>					
			<i>Ulmus thomasii</i>	Rock Elm				



**Grantees can only chose from TREE listings. Shrubs are not eligible for this grant program.**

**TREES AND ~~LARGE SHRUBS~~:**

Species Native to Minnesota's Ecological Regions



**SOUTHEAST**

TREE RATING ZONE (Tree Rating Zone 1)

Range in *SOUTHEAST* Tree Rating Zone (Tree Rating Zone 1)

ECOLOGICAL SUBSECTIONS

<i>Botanical Name</i>	<i>Common Name</i>	<i>Alternative Name(s)</i>	<i>USDA Plant Hardiness Zone</i>	<u>ENTIRE</u> <i>Tree Rating Zone</i>	<i>Anoka Sand Plain</i>	<i>Big Woods</i>	<i>Oak Savanna</i>	<i>Paleozoic Plateau</i>
<b>EVERGREEN TREES</b>								
<i>Abies balsamea</i>	<b>Balsam Fir</b>		2	part	part	none	part	part
<i>Juniperus virginiana</i>	<b>Eastern Redcedar</b>		3a	part	part	all	all	all
<i>Picea glauca</i>	<b>White Spruce</b>		2	part	part	none	none	none
Note: <i>Picea glauca densata</i> (Black Hills Spruce) may be considered native for purposes of the MnReLeaf program.								
<i>Picea mariana</i>	<b>Black Spruce</b>		2	part	part	none	part	none
<i>Pinus banksiana</i>	<b>Jack Pine</b>		2-7	part	part	none	none	part
<i>Pinus resinosa</i>	<b>Red Pine</b>	Norway Pine	2	part	part	none	part	part
<i>Pinus strobus</i>	<b>Eastern White Pine</b>		3-8	part	part	none	part	part
<i>Taxus canadensis</i>	<b>Canada Yew</b>	American Yew	2	part	part	none	part	part
<i>Thuja occidentalis</i>	<b>Northern White Cedar</b>	American Arborvitae Eastern Arborvitae	2	part	part	none	none	part
<i>Tsuga canadensis</i>	<b>Eastern Hemlock</b>	Canadian Hemlock	3b	part	part	none	none	none
<b>DECIDUOUS TREES</b>								
<i>Acer negundo</i>	<b>Box Elder</b>	Manitoba Maple	2	all	all	all	all	all
<i>Acer nigrum</i>	<b>Black Maple</b>		3b	part	none	part	part	all
<i>Acer rubrum</i>	<b>Red Maple</b>		3-6	part	all	part	part	part
<i>Acer saccharinum</i>	<b>Silver Maple</b>	Soft Maple	3-7	all	all	all	all	all
Note: <i>Acer x freemanii</i> (Freeman Maple) is a Silver & Red hybrid that may also be considered native for purposes of the MnReLeaf program.								
<i>Acer saccharum</i>	<b>Sugar Maple</b>	Hard Maple	3-5	part	all	part	part	all
<i>Acer spicatum</i>	<b>Mountain Maple</b>		2	part	part	none	none	part

## Grantees can only chose from TREE listings. Shrubs are not eligible for this grant program.

Botanical Name	Common Name	Alternative Name(s)	USDA Plant Hardiness Zone	<u>ENTIRE</u> Tree Rating Zone	Anoka Sand Plain	Big Woods	Oak Savanna	Paleozoic Plateau
<i>Alnus rugosa</i>	Speckled Alder	<i>Alnus incana</i> Hazel Alder	2	part	part	part	part	part
<i>Amelanchier interior</i>	Inland Serviceberry	Inland Juneberry	n/a	part	part	part	part	part
<i>Amelanchier laevis</i>	Allegheny Serviceberry	<i>Amelanchier arborea</i> Downy Serviceberry Shadblow	2-4	part	part	part	part	part
Note: The hybrid <i>Amelanchier x grandiflora</i> (Apple Serviceberry) may also be considered native for purposes of the MnReLeaf program.								
<i>Betula alleghaniensis</i>	Yellow Birch	<i>Betula lutea</i>	3	part	part	part	part	part
<i>Betula nigra</i>	River Birch		4-8	part	none	part	part	part
<i>Betula papyrifera</i>	Paper Birch	White Birch	2-7	part	all	all	part	part
<i>Carpinus caroliniana</i>	Blue Beech	American Hornbeam	3	part	part	part	part	part
<i>Carya cordiformis</i>	Bitternut Hickory		4	all	all	all	all	all
<i>Carya ovata</i>	Shagbark Hickory		4	part	none	none	part	part
<i>Celtis occidentalis</i>	Hackberry		3a	all	all	all	all	all
<i>Cornus alternifolia</i>	Pagoda Dogwood	Alternate-leaf Dogwood	3-7	part	all	part	part	part
<i>Crataegus mollis</i>	Downy Hawthorn		3b	part	part	part	part	part
<i>Crataegus punctata</i>	Dotted Hawthorn		4b	part	part	part	part	part
Note: Other <i>Crataegus</i> (Hawthorn) species that may also be considered native for purposes of the MnReLeaf program are <i>calpodendron</i> , <i>chrysocarpa</i> , <i>faxoni</i> , <i>irrasa</i> , <i>macracantha</i> , <i>pedicellata</i> , <i>roanensis</i> , and <i>succulenta</i> .								
<i>Euonymus atropurpureus</i>	Eastern Wahoo		4b	part	part	part	part	part
<i>Fraxinus americana</i>	White Ash		4a	part	none	none	part	part
<i>Fraxinus nigra</i>	Black Ash		2	part	all	all	part	all
<i>Fraxinus pennsylvanica</i>	Green Ash		2-7	all	all	all	all	all
<i>Gleditsia triacanthos</i>	Common Honeylocust		4b-7	part	none	none	none	part
<i>Gymnocladus dioicus</i>	Kentucky Coffeetree		4b-8	part	none	part	part	part
<i>Juglans cinerea</i>	Butternut		3	part	part	part	part	all
<i>Juglans nigra</i>	Black Walnut		4	part	none	part	part	all
<i>Larix laricina</i>	Tamarack	Eastern Larch American Larch	2	part	part	part	part	part
<i>Malus ioensis</i>	Prairie Crabapple		n/a	part	none	part	part	part
<i>Morus rubra</i>	Red Mulberry		5b	part	part	part	part	all
<i>Ostrya virginiana</i>	Ironwood	Eastern Hop Hornbeam	3-9	part	all	part	all	all

**Grantees can only chose from TREE listings. Shrubs are not eligible for this grant program.**

Botanical Name	Common Name	Alternative Name(s)	USDA Plant Hardiness Zone	ENTIRE Tree Rating Zone	Anoka Sand Plain	Big Woods	Oak Savanna	Paleozoic Plateau
<i>Populus balsamifera</i>	Balsam Poplar		n/a	part	part	part	none	part
<i>Populus deltoides</i>	Eastern Cottonwood	Eastern Poplar	3	part	part	all	all	all
<i>Populus grandidentata</i>	Bigtooth Aspen		3	all	all	all	all	all
<i>Populus tremuloides</i>	Quaking Aspen		2	all	all	all	all	all
<i>Prunus americana</i>	American Plum		2-4	part	part	all	all	all
<i>Prunus nigra</i>	Canada Plum		n/a	part	part	none	part	part
<i>Prunus pennsylvanica</i>	Pin Cherry		2-5	part	all	all	part	part
<i>Prunus serotina</i>	Black Cherry		3b	all	all	all	all	all
<i>Prunus virginiana</i>	Common Chokecherry		2-4	all	all	all	all	all
<i>Quercus alba</i>	White Oak		4a	part	part	part	part	all
<i>Quercus bicolor</i>	Bicolor Oak	Swamp White Oak	4a	part	part	part	part	part
<i>Quercus ellipsoidalis</i>	Northern Pin Oak		3b	part	all	all	part	all
<i>Quercus macrocarpa</i>	Bur Oak		2-8	all	all	all	all	all
<i>Quercus muehlenbergii</i>	Chinkapin Oak	Chestnut Oak	4b	part	none	none	none	part
<i>Quercus rubra borealis</i>	Northern Red Oak	<i>Quercus borealis</i>	3b	all	all	all	all	all
<i>Quercus velutina</i>	Black Oak		4b	part	none	none	none	part
<i>Salix amygdaloides</i>	Peachleaf Willow		3a	all	all	all	all	all
<i>Salix bebbiana</i>	Long-beaked Willow	Bebb Willow	2	all	all	all	all	all
<i>Salix lucida</i>	Shining Willow		2	part	all	part	part	part
<i>Salix nigra</i>	Black Willow		3	part	part	part	all	all
<i>Salix petiolaris</i>	Meadow Willow		n/a	all	all	all	all	all
<i>Salix serissima</i>	Autumn Willow		n/a	part	part	part	part	part
Note: <i>Salix</i> spp. 'Flame' and <i>S. eriocephala</i> may also be considered native for purposes of the MnReLeaf program.								
<i>Sorbus decora</i>	Showy Mountain Ash	<i>Pyrus decora</i>	2	part	part	none	none	none
<i>Tilia americana</i>	Basswood	American Linden	3-8	all	all	all	all	all
<i>Ulmus americana</i>	American Elm		2	all	all	all	all	all
<i>Ulmus rubra</i>	Slippery Elm	Red Elm	3	all	all	all	all	all
Note: 'Lincoln' is a Dutch elm disease-resistant selection of <i>Ulmus rubra</i> .								
<i>Ulmus thomasii</i>	Rock Elm		n/a	part	part	all	all	all
<b>EVERGREEN SHRUBS</b>								
<i>Juniperus communis</i>	Common Juniper		2-6	part	part	part	part	part

**Environmental Policy Board (EPB)**

**5. 2.**

**Meeting Date:** 02/06/2012

**By:** Chris Anderson, Community Development

**Title:**

Environmental Expo Event

**Background:**

Staff has begun sending out invites to potential exhibitors for the 2012 event. Staff has also offered the Cheerful Chuggers 4-H group, who participated in last year's event, to run the concessions for the event. They seemed interested in that opportunity and were going to discuss it as a group. Staff continues to search for 'new' exhibitors that will help keep the event fresh and interesting for attendees and is always interested in any suggestions and/or contacts for possible exhibitors.

As was discussed last month, a bird walk or walks may be added to the event this year. There has been some conversation with a national birding expert that may be willing to lead a walk or walks the morning of the event and then follow that up with a presentation at the Municipal Center later in the morning. While this has not been fully confirmed, Staff hopes to provide a more detailed update at the meeting.

As the Board knows, there will be a tree sale component to the event again, but it will be quite different then years past. There will not be trees available for purchase the day of the event. All sales will be through a pre-order program. The following species will likely be available for purchase through this program (all are bareroot and sizes may need to be adjusted depending on availability): Paper Birch (6' height), Blue Beech (6' height), Skyline Honeylocust (6' height), Malus Adams (pink, 6' height), Malus Red Jewel (white, 6' height), American Linden (5' height), Showy Mountain Ash (1.25" caliper) and American Plum (5' height). It does sound like use of the ramp should not be disrupted by various construction projects (ramp expansion, rail station and apartment complex).

**Recommendation:**

While topics and ideas for the Board's booth were discussed at the last meeting, the Board may wish to consider outlining more specifically the contents of its' booth and/or appoint individuals to work on the booth.

**EPB Action:**

Based on discussion.

**Form Review**

<b>Inbox</b>	<b>Reviewed By</b>	<b>Date</b>
Chris Anderson (Originator)	Chris Anderson	02/02/2012 02:33 PM
Form Started By: Chris Anderson		Started On: 01/31/2012 02:46 PM
	Final Approval Date: 02/02/2012	