

PUBLIC NOTICE

In accordance with the Statutes of the State of Illinois and the Ordinances of the City of Highland Park, the next meeting of the Natural Resources Commission of the City of Highland Park is scheduled to be held at the hour of 6:30 p.m. on Wednesday, October 19, 2016 at the City of Highland Park City Hall, 1707 St. Johns Avenue, Highland Park, Illinois, during which it is anticipated there will be a discussion of the following:

City of Highland Park NATURAL RESOURCES COMMISSION

Wednesday, October 19, 2016
Highland Park City Hall
1707 St. Johns Avenue
Highland Park, Illinois
6:30 p.m.

MEETING AGENDA

I. Call to Order

II. Roll Call

III. Approval of Minutes: September 14, 2016

IV. Business from the Public

V. Old Business

- (a) Commissioner Updates and Discussion for On-Going 2016 Work Plan Items
 - i. Updates on Education & Outreach for Steep Slope Issues (Q1/Q3)
 - i. Status of Ravine Brochure Translation Project
 - ii. Updates on Recycling Output Community-Wide
 - i. SWALCO – 2016 Monthly Summary – Recycling Rates
 - iii. Improving Storm Water Management and Addressing Water Pollution
 - i. Recommendation for Coal Tar Sealant Ban
 - iv. Update on Efforts Toward City Anti-Idling Policy (Q3/Q4)
 - v. Update on Community Garden Efforts (Q1)
 - vi. Update on Lighting Code Amendments
- (b) Status Update – Award for Meritorious Service to the Highland Park Environment

VI. New Business

- (a) Update on Bird-Friendly Glass Efforts
- (b) Discussion for 2017 Work Plan Development
 - i. Review of Q4 2016 Work Plan projects
 - ii. Mayoral Guidance on 2016 Work Plan
 - iii. Earth Day Celebration
- (c) Consideration of 2017 NRC Meeting Date Resolution

VII. Other Business

- (a) Commissioner Comments
- (b) Administrative Items

VIII. Adjournment

Posted in City Hall on October 13, 2016

PLEASE RECYCLE

**MINUTES OF A REGULAR MEETING OF
THE NATURAL RESOURCES COMMISSION OF THE CITY OF HIGHLAND PARK,
ILLINOIS**

MEETING DATE: September 14, 2016

MEETING LOCATION: Pre-Session Conference Room – Highland Park City Hall
1707 St. Johns Avenue, Highland Park, Illinois

CALL TO ORDER

At 6:30 p.m., Chairman Ross called the meeting to order and Eric Olson called the roll.

ROLL CALL

Members Present: Nichols, Yates, LaCosse, Coyle, Wagenius (VC), Ross (C)

Members Absent: Pagoria

Chairman Ross declared that there was a quorum of the Commission present.

Staff Present: Eric Olson, Planner

Also Present: Kim Stone, City Council Liaison
Garren Kalter, Student Representative

MINUTES

Vice Chair Wagenius moved to approve the minutes for the June 8, 2016 meeting of the Natural Resources Commission. Commissioner Coyle seconded the motion. Prior to the vote, Commissioner LaCosse asked for information regarding a Highland article about microbeads referenced within the minutes. Planner Olson provided a copy of the article. On a voice vote, the minutes were approved.

Commissioner LaCosse moved to approve the minutes for the July 13, 2016 meeting of the Natural Resources Commission. Commissioner Coyle seconded the motion. On a voice vote, the minutes were approved. Vice Chair Wagenius and Commissioner Nichols abstained.

BUSINESS FROM THE PUBLIC

None

OLD BUSINESS

A. Discussion of Municipally-Focused Programs related to Energy Efficiency

Chairman Ross discussed three municipally-focused programs, SolSmart, STAR, and the Greenest Region Compact (GRC2) framework, comparing and contrasting their scope, resources, and usefulness for Highland Park. He then stated that the group should ask themselves whether they want a program that is broad and all-compassing that they can work through over time, a program that is more focused like SolSmart, or a combination of the two.

Councilwoman Stone then provided an update on the efforts made to date with respect to these programs. She stated that the City has already applied for SolSmart and submitted a “solar scorecard” assessment, adding that

every community that submits an assessment is eligible for free technical assistance from SolSmart and that the City is waiting to hear back from the organization. She then stated that the City has signed on to the GRC2 framework, but the City has not been involved with STAR to date.

Chairman Ross stated that SolSmart focuses on solar permitting and construction, particularly removing impediments to solar development. He noted that SolSmart is a locally-focused program while the others are broader in their scope.

He then reiterated that the City is a member of the Greenest Region Compact and noted the broad measures of the program, many of which seem Illinois-focused. Commissioner Coyle stated that the GRC2 framework document is very large and the group may need more time to review it all, and the Chairman agreed.

Chairman Ross then stated that STAR has measures that feel more concrete. Though it is more nationally-focused, some Illinois communities have signed on. The measures are fewer in number than in GRC2 but are broader and include historic preservation. He stated that the program provides tools for on-going support and has a framework to assist over the long term.

Vice Chair Wagenius thanked the Chairman for the summary and stated that the GRC2 framework is pretty vague but the ten criteria within the GRC2 document may be more useful for the NRC than those in the STAR program. SolSmart has very clear objectives and pursues measurable outcomes, and he believes that the NRC could be a driver of solar-related efforts in the community with the help of the SolSmart program.

Student Representative Kalter stated that SolSmart would be a great way to initiate specific change in the community with respect to environmental issues, and that successes with SolSmart may be catalytic for other environmental efforts in the community.

Commissioner Coyle then asked about the City Council's commitment to these types of programs. She noted that the Council is happy to sign onto programs that sound positive but it has been difficult to get support from them for the initiatives associated with those programs.

Councilwoman Stone then discussed the Council's commitment in the context of potential lighting code changes. She noted that the Council has decided to move forward with updates to the lighting code standards, but there is only support for "dark sky" regulations for commercial, industrial, and public buildings—not residential. She stated that some Council members may be more supportive of educational efforts than legislative efforts.

Commissioner Nichols noted that it seems like Council's preferred focus is passive education rather than outreach. Councilwoman Stone agreed and noted that social media would likely play a large part.

Commissioner Coyle then stated that the NRC should be strategic in their decision making. She asked if the Council wants educational efforts, who will do it? Chairman Ross asked whether that means the City should focus those efforts and programs to which the City has already signed on or participated.

The group then reviewed the GRC2 framework and observed how the SolSmart may overlap in some areas. Planner Olson explained the SolSmart scorecard and then Councilwoman Stone then discussed a solar energy event at the Highland Park Library and noted that local residents and professionals could champion solar in the community. Student Representative Kalter then discussed solar penetration in Highland Park.

Commissioner Coyle noted that this approach may present an opportunity to address wind power as well.

Chairman Ross suggested using the GRC2 framework to inform the annual NRC work plan and that each in the group could focus on different items or themes from the framework list. Vice Chair Wagenius agreed and then stated that he likes the SolSmart checklist and that the scorecard could be used to track progress.

Commissioner Coyle stated that it will be better if the annual work plan more neatly tracks the City's Sustainability plan and it will be important to be sure that any refinements to the annual work plan do not

undermine implementation of the Sustainability Plan.

Planner Olson and Councilwoman Stone then provided a brief update on Sustainability Plan meetings that have occurred between staff and the City's sustainability consultant, and then Councilwoman Stone then provided a more detailed update related projects and planning and communications efforts. Commissioner Coyle commented on the QR Codes, the availability of stickers for the programs, and the increased number of compost bins seen throughout the community.

The group then discussed efforts related to rain barrels in the community. Councilwoman Stone stated that the Building Division has concerns about the use of rain barrels, particularly in cases where a property is purchased by a new owner and the barrels are neglected. Commissioner Coyle stated that it may be worth engaging with the Building Division to educate them further on rain barrels and their usage.

Planner Olson and Councilwoman Stone stated that the sustainability consultant will be researching appropriate sizes of projects with respect the applicability of construction debris recycling requirements.

Planner Olson also discussed a potential tree rebate program that was discussed during the Sustainability Plan meetings, which would be intended to assist property owners in the replacement of trees and replace canopy are trees are lost over time to disease and infestation. The Commission then discussed how such a program might be implemented.

NEW BUSINESS

A. Commissioner Updates and Discussion for 2016 Work Plan Items

Updates on Education & Outreach for Steep Slope Issues

Planner Olson stated that during the Sustainability Plan meetings, the City determined that there may be up to \$6,000 available for the printing of new ravine brochures that have been translated into Spanish but that the translation work will still be needed. The group discussed that the City has a new brand that may need to be incorporated, but Planner Olson stated that the document was already designed and text just needs to be updated. Commissioner Nichols then stated that she will still work on having the program translated.

Policy Recommendations to Improve Recycling Output Community-Wide

Commissioner Coyle stated that if Highland Park is already a leader in construction and recycling debris collection, then it will be important to do further data collection to determine potential impacts before pushing forward to reduce the size the projects to which the requirements would apply.

With respect to shoe recycling, she commended the City for making the recycling program happen and noted that data collection will also be important for those efforts. Councilwoman Stone noted that there is a great deal of trash data available from SWALCO, and Commissioner Coyle stated that they should be making the data more readily available to the public. Councilwoman Stone stated that she will provide data from SWALCO in next month's meeting packet.

The Commission then discussed off-season composting programs. Commissioner Coyle noted that there would be significant off-season demand.

Commissioner Nichols then stated that she has information on building deconstruction and rebuilding programs that she can share with the group.

Improving Storm Water Management and Addressing Water Pollution

Vice Chair Wagenius stated that the draft recommendation is just about complete and thanked Commissioner Coyle for her review and legal insight in the document's preparation. He addressed a few outstanding questions to be resolved regarding the recommendation, including the scope of applicability and the types of paved surfaces and sites that might be subject to the proposed coal tar sealant ban. The group agreed that the proposed ban should apply to more than streets.

The Vice Chair then stated that the licensing requirements that are part of the proposed ban largely mirror those already adopted by Winnetka, where they also prohibit use and sale. Chairman Ross stated that it may be a good idea to reduce the information required as part of the licensing requirements to prevent them from being too onerous. Commissioner Coyle stated that it would be better to just include a clarification statement in the document to Council to let them know that this issue is not a hard recommendation. Chairman Ross stated that the ideal result is the minimum level of regulation required to achieve the goal and added that the group should go with the language as is and that he would prepare some language clarifying the licensing requirements.

Chairman Ross then addressed the proposed prohibition of the sale of coal tar pavement sealants and suggested that a strong rationale statement be included to proactively address concerns that it may be too restrictive on businesses.

Councilwoman Stone stated that this recommendation would likely not appear on a City Council agenda until early 2016 since it is currently budget season. Planner Olson stated that this would likely be an item that is considered by Committee of the Whole.

Commissioner LaCosse asked about the product the City uses when filling potholes. Councilwoman Stone stated that it is just regular asphalt and that no sealants are used.

Policy Recommendations for Improving Air Quality Community-Wide

Chairman Ross discussed his recent research on the topic, and Commissioner Nichols stated that anti-idling is a complicated issue. The majority of campaigns are about idling diesel buses outside of schools. She stated that she discussed anti-idling policies and enforcement in other municipalities and determined that it may be difficult to legislate and enforce in Highland Park.

Commissioner Coyle stated that it may be better to engage in educational campaigns, particularly through the schools, but added that the schools have not been great about environmental education. Commissioner LaCosse noted that environmental education has fallen by the wayside with the increased emphasis on STEM and Common Core; Student Representative Kalter agreed.

Commissioner Nichols stated she may be able to dedicate Mom's Clean Air Force efforts to this initiative as it is aligned with their mission, but noted that there is less public interest in air quality and children's health with respect to air quality.

Chairman Ross then stated that idling buses are a good place to start and that he discussed the Ravinia Festival shuttle buses with the City's Director of Public Works. The Director stated that the PACE buses used as Festival shuttles are exempt from anti-idling regulations and then shared the PACE idling policy with the group. He then added that the buses should realistically be turned off unless the temperature is above 80 degrees.

Update on Community Garden Efforts

Commissioner LaCosse stated that he recently visited the Park District community garden which has ten raised beds and two troughs. He added that they are very nice though much smaller than the old community garden.

Commissioner Yates stated that she wanted to determine how many people are on the Park District waiting list for the garden. She stated that she discussed the issue with Amalia Schwartz from the Park District, who stated that there were only about three people on the waiting list and that the Park District is not interested in expansion.

Chairman Ross asked whether the group wants to expend the effort to find an area to expand community gardening opportunities. Commissioner Coyle stated that it would be useful to find out why the Park District is not supportive of expansion. Commissioner Yates stated that she will ask Amalia Schwartz about this and speculated that it may be due to staff constraints. Commissioner LaCosse stated that perhaps the Highland Park Garden Club might be interested in these efforts.

Lighting Code Amendments

Chairman Ross provided a status update on the lighting code amendments and stated that he recently spoke with Police Chief Shafer about lighting. The Police Chief told him that it is an issue of perception for lighting, specifically that more highly-illuminated areas may be perceived as “more safe”, and that the Department makes no judgement of relative safety associated with different lighting standards.

B. Consideration and Approval of Application for Award for Meritorious Service to the Highland Park Environment

Planner Olson stated he has prepared a nomination form for the annual Meritorious Service Award to the Highland Park Environment. He stated that it is based on the award applications from previous years and that he will post them online, but asked for Commissioners to help spread the word.

Commissioner Coyle stated that there are more people in Highland Park involved in environmental issues than people realize and that the group needs to do better job of getting the word out. Councilwoman Stone stated that it would be nice to see new people nominated and that if necessary, the group can explore whether the award program should be continued in the future. Chairman Ross agreed and stated that perhaps more could be done through contacts and social media.

Commissioner LaCosse asked who had been nominated and received the award in the past. Chairman Ross Councilwoman Stone recalled several and Planner Olson stated that he will prepare a list of previous winners.

OTHER BUSINESS

A. Commissioner Comments

Commissioner Coyle stated that the City and sister government organizations has done an excellent job on testing for potential lead impacts but overall remediation efforts may be too limited.

- Suggested that it may be a good idea to get a panel of healthcare professionals and perform an educational campaign about lead impacts in drinking water, building materials, paints, etc. and what they mean for residents.
- Chairman Ross stated that 2017 could be a good year for water-related projects. He then stated that most homes in Highland Park have a lead service line and there is no way to know about the potential impacts in one’s home without regular testing.
- Councilwoman Stone suggested that the NRC could do the educational program rather than the environmental film series. Chairman Ross agreed and stated that it would be good to “strike while the iron is hot.”
- Commissioner Nichols stated that she has some contacts for individuals that would be good for a panel of healthcare professionals.

Vice Chair Wagenius provided an update on the Bird Friendly Task Force. He stated that the item will be heard at the September 26th City Council meeting and stated that he was discouraged that there was no vote on the item during a previous Council meeting.

Commissioner Nichols discussed the Clean Power Lake County coalition. She stated that the group is concerned with air quality in Lake County and the Waukegan coal-fired power plant.

- She stated that Lake County has an “F” rating on several metrics and that few people seem to care about air quality impacts from the power plant
- The organization wants to address the situation with North Shore communities other than Waukegan.
- Chairman Ross asked whether they are looking for a contact. Councilwoman Stone then stated that Commissioner Nichols should send a sign-on letter to herself or staff and it will be forwarded to the City Manager.

Councilwoman Stone stated that there is an “Active by Design” event on October 4th, which will include a “bike audit” performed by Mark Fenton. She also discussed a Green Alliance meeting and then stressed the importance of radon testing in homes.

Chairman Ross discussed the prevalence of perchlorate in the community. He stated that there is a great deal of unexploded ordnance at Fort Sheridan and then discussed looking into perchlorate filters. He noted that perchlorate is a thyroid inhibitor and that it could negatively impact children.

Commissioner Nichols then added that she will be speaking at a town hall meeting on September 21st at the Chicago Botanic Garden.

B. Administrative Items

Councilwoman Stone noted that the original October 12th meeting date for the NRC falls on Yom Kippur and that it may be a good idea to reschedule the meeting. The group agreed to reschedule to October 19, 2016.

Planner Olson then stated that the 2017 meeting date resolution and 2017 work plan need to be addressed during the next meeting so they will be on the agenda.

ADJOURNMENT

Vice Chair Wagenius motioned to adjourn the meeting. Commissioner LaCosse seconded the motion. Chairman Ross adjourned the meeting at 8:45 p.m.

Respectfully Submitted,

Eric Olson, Planner II

MINUTES APPROVED BY THE NATURAL RESOURCES COMMISSION ON _____

- WITH NO CORRECTIONS _____
- WITH CORRECTIONS _____
(SEE MINUTES OF [_____] MEETING FOR CORRECTIONS)

**City of Highland Park
2016 Monthly Summary Lakeshore Recycling Systems**

Collection Period	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Total Number of Homes	9,137	9,137	9,137	9,063	9,125	9,139	9,158	9,165					
Stickers Sold	22500	8000	8500	12500	16500	12500	3250	8700					92450
Recycle Rate by weight	44%	41%	40%	44%	29%	42%	42%	39%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
Recycle Rate by volume							55%	55%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
Recycling Tons	347.53	310.13	334.79	359.33	385.60	407.86	370.13	397.84					2,913.21
Recycling Yards							13,383.38	14,013.52					27,396.90
Organics Tons				84.68	40.84	32.00	33.71	37.76					228.99
Organics Yards							210.74	236.04					446.78
Waste Tons	447.52	437.69	498.40	554.38	1,049.61	606.79	559.33	673.25					4,826.97
Waste Yards							11,279.80	11,810.03					23,089.83
Total Tons	795.05	747.82	833.19	998.39	1,476.05	1,046.65	963.17	1,108.85	0.00	0.00	0.00	0.00	7,969.17
Total Yards							24,873.92	26,059.59	0.00	0.00	0.00	0.00	50,933.51

INCLUDES DEC 2015



City of Highland Park

Protecting and Enjoying Birds



Residents and business owners are encouraged to create and maintain habitats and reduce hazards to birds.

Birds play an important role by controlling insect populations and other pests, pollinating flowers and bringing nature into our lives. Their survival and well-being serve as an indicator for the overall health of our environment.

Migratory and native birds are important to Chicago in many ways:

- Birds connect all of us to the environment.
- Birds are an irreplaceable part of the earth's natural systems, playing a major role in pollination, and consuming mosquitoes and other pests.
- Birds are an excellent indicator of the overall health of an ecosystem. When we improve our city for birds, we also improve it for countless other creatures, including bats, butterflies and ourselves.

Birds face serious challenges. Many species are in decline because of habitat loss or modification, collision with human-made objects, and competition with other species. Bird collisions with glass are likely the primary hazard to the 8 million birds that migrate through the Chicago area in the spring and fall.

Objectives: Create Visual Signals, Minimize Reflectivity and Minimize Light At Night

Guidelines For Bird-Friendly Design and Construction

A bird-safe building can be a cutting-edge design, meet LEED standards and protect important species.

Site Strategy/ Landscape

- Analyze surroundings to identify location and angle of birds' approach to the building; modify glass on this approach facade
- In small exterior courtyards and recessed areas, define the building's edge clearly with opaque materials and non-reflective glass

Composition

- Create visible details that birds will recognize
- In general design facades with balconies and visible structural details such as columns and lintels
- Angle glass toward ground or sky so that the reflection is not in a direct line of site (optimum angle: 40 degrees)
- Avoid flat reflective openings larger than 2" x 4"

Exterior

- Design facades so that glazing is enhanced by elements that are visually interesting as well as functional, i.e. vertical greenery/ vines, vertical or horizontal sun shades
- Integrate awnings to cast shadows and mute reflection

Materials

- Specify non-reflective glass
- Select glass that is transparent to humans but not to birds
- Use fritted glass, window film, decals, decorative paint and grills to minimize clear window area
- Attach external screens to operable windows

Interior/ Lighting

- Use design elements in a way that mutes reflections, such as blinds with vivid slats and vertical tape, drapes hung close to exterior glass, perforated shades and artwork
- Select pattern and material of window coverings to create a visible barrier for birds
- Interrupt views through parallel glass facades with objects such as sculptures and furniture
- Install motion sensors on interior lights to ensure they are not left on overnight

1-10 Birds killed annually by collisions with a typical building.

1,000 Birds killed annually by collisions with an all-glass building.





7 October 2016

City of Highland Park - Plan and Design Commission
1707 St. Johns Ave.
Highland Park, IL 60035

RE: **Simply Self Storage of Highland Park**

Mr. Chairman,

The Simply Self Storage Project at 1495 Old Deerfield Rd. will include glazing that has a bird-friendly treatment, as recommended in the City of Highland Park's "Protecting and Enjoying Birds" pamphlet. The treatment is a patterned UV-reflective coating that makes the glass visible to birds while remaining transparent to the human eye.

Along with this letter I have included documentation on the treatment, by Ornilux. This, or a similar treatment, will be used on the three stories of glazing at the main entrance at the south west corner of the building.

Regards,

Joe Latozas
Senior Associate
Designhaus Architecture



ORNILUX Bird Protection Glass

Innovation by 

The Solution For Bird Protection Is Clear ...

Researchers estimate that up to one billion birds are killed each year in North America due to collisions with glass on human-built structures, making bird collisions one of the most significant causes of avian mortality globally.

With the understanding that birds are able to see light in the ultraviolet spectrum, bird-friendly glass innovator, ARNOLD GLAS developed ORNILUX Bird Protection Glass. The glass has a patterned, UV reflective coating making it visible to birds while remaining virtually transparent to the human eye.

ORNILUX: The Transparent Solution



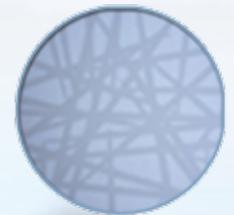
UMASS Science Building,
Amherst, MA, USA



Hellabrunn Zoo, Munich, Germany

A proven bird-friendly glazing treatment, ORNILUX is tested by American Bird Conservancy. The glass has demonstrated to be an effective solution to mitigate bird collisions, especially in areas where transparency is a top priority.

ORNILUX, the leading multi-functional, clear glass solution to bird collisions is available as laminated glass or insulated units paired with a low-E or solar control coating, thus providing energy efficiency and bird collision protection.



What Birds See



What We See



Tested by



Arnold Glas, Corp.

48 Spinney Path, #2, Nahant, MA 01908, USA

www.ornilux.com

www.arnold-glas.com

Sales / Marketing Lisa Schon +1.805.895.9436 lisa.schon@arnold-glas.com

Arnold Glas N.A. Stefan Marshall-Goebel +1.857.294.7768 stefan.marshall-goebel@arnold-glas.com



Product Overview

The following ORNILUX types have been tested under controlled conditions and have been rated “Effective” by American Bird Conservancy’s testing program. The Tunnel Score indicates the percentage of birds tested that fly towards the control pane

and avoid the ORNILUX pane. The Material Threat Factor is the inverse of the Tunnel Score and applies to USGBC’s LEED Pilot Credit 55: Bird Collision Deterrence. For more information about ABC’s rating and testing program visit: www.BirdSmartGlass.org

Product	Transmission			Reflectance			Absorbance	U-Value (Argon)		Relative Heat Gain BTU/(hft²)	Shading Coefficient	Solar Heat Gain Coefficient	Light to Solar Gain (LSG)	Tunnel Score	Threat Factor
	Visible Light %	Ultra-violet %	Solar Energy %	Visible Light Out %	Visible Light In %	Solar Energy Out %	Solar Energy %	Winter Btu/(hft² F)	Summer Btu/(hft² F)						

Insulating Glass with low-E

Double Glazing (6mm:/10mm:/8.76mm laminated - Mikado on surface 2 / uno on surface 3)															
uno N10	66	0	35	24	25	39	25	0.24	0.24	106	0.51	0.44	1.49	74%	26
Double Glazing (4mm:/12mm:/8.76mm laminated - Mikado on surface 2 / advance 34 on surface 3)															
Adv. N34	77	0	48	15	14	30	21	0.24	0.23	137	0.67	0.58	1.33	77%	23

Insulating Glass with solar control

Double Glazing (6mm:/10mm:/8.76mm laminated - A70 on surface 2 / Mikado on surface 3)															
A70	66	0	28	16	16	37	35	0.24	0.24	81	0.38	0.33	1.97	64%	36
Double Glazing (6mm:/16mm:/8.76mm laminated - A60 on surface 2 / Mikado on surface 3)															
A60	58	0	25	16	15	36	39	0.24	0.17	71	0.34	0.30	1.95	63% Europe	N/A
Double Glazing (10.76mm laminated:/10mm/4mm - Mikado on surface 2 / A50 on surface 4)															
A50	51	0	21	19	12	26	53	0.24	0.24	66	0.31	0.27	1.88	75%	25
Double Glazing (10.76mm laminated:/10mm/4mm - Mikado on surface 2 / A40 on surface 4)															
A40	41	0	17	23	12	25	59	0.24	0.24	57	0.27	0.23	1.79	75%	25

Triple Insulating Glass

Triple Insulating Glass (12.76mm laminated:/14mm/4mm/14mm:/4mm - ORNILUX Mikado on surface 2 / A50 on surface 4 / advance 34 on surface 7)															
A50 Triple	46	0	18	20	15	24	58	0.12	0.11	52	0.25	0.22	2.07	64% Europe	N/A

Triple Laminated Glass

Triple Laminated Glass 36 mm (12mm:/0.76 PVB/12mm/0.76 mm PVB:/12mm - Mikado on surfaces 2 and 5)															
mono 36mm	76	0	45	10	10	7	48	0.84	0.77	479	0.71	0.61	1.24	68% Europe	N/A
Triple Laminated Glass 12 mm (4mm:/0.76 PVB/4mm/0.76 mm PVB:/4mm - Mikado on surfaces 2 and 5)															
mono 12mm	84	0	65	11	11	8	27	0.95	0.86	569	0.84	0.73	1.14	64%	N/A

Note: According to ABC’s Bird Smart Glass program: “Window products rated Effective and Highly Effective have shown in controlled studies to significantly reduce, but not altogether eliminate, bird collisions, and results will vary depending on local bird populations, landscape conditions, and building design.”

Other glass and spacer thicknesses can be produced but note that configurations that deviate relative to glass thickness and/or spacer width may result in a deviation of the score achieved with tested ORNILUX configurations.

ORNILUX insulated and laminated units can be heat-strengthened or tempered.

A-Line solar control coatings (A40, A50, A60, A70) featuring different light transmission and performance can be paired together to design a color-matched façade. For more information visit www.arnold-glas.com.

Max Unit Dimensions (for IGU and laminated)

ORNILUX on tempered glass: 2,800 x 6,000mm / 110 in. x 236 in. / 9.2 ft. x 19.7 ft

ORNILUX on laminated tempered: 2,600 x 5,000mm / 102 in. x 197 in. / 8.5 ft. x 16.4 ft.

Max sizes vary depending on the build-up and can be confirmed on an individual project basis.

Transport Note: Due to standard container height, max unit size should not exceed 7.2’ in one dimension (ex: 10’ x 6.5” is acceptable; 10’ x 7.5’ is not). Larger sizes can be shipped with an added premium to the transport price.

Minimum OA IGU thickness: 23mm

Laminated glass OA thickness

Min: 12mm / Max: 36mm

COMMISSION: Natural Resources Commission



CY2017 COMMISSION WORKPLAN SUBMITTAL

Jurisdiction and Purpose:

The mission of the Natural Resources Commission is to preserve, enhance, manage and protect the City's environment and natural resources; provide recommendations on environmental and natural resource policies, regulations, ordinances, plans and variation requests; and, engage the public on these matters.

<u>2017 Workplan Objectives</u>	<u>Associated Funding Request</u>
Provide education and outreach to the public regarding 2014 Steep Slope Landscape Best Practices brochure and code amendments	\$0
Make policy recommendations to improve recycling output community-wide	\$0
Make policy recommendations to improve energy efficiency community-wide	\$0
Improve stormwater management and address water pollution	\$0
Make Policy Recommendations to Improve the Air Quality Community-Wide	\$0
Co-sponsor Environmental Movie Series with Park District and Library	\$1,000
Assist in the Accomplishment of Sustainability Plan Initiatives	\$0
Review & Recommend on Steep Slope Variations and Beach Structure Permit Applications	\$0
Grant Award for Meritorious Service to the Highland Park environment	\$0

<u>Commission Operating Expense Requests</u>	<u>Amount</u>
Minute Taker	\$2,400
Education – Environmental Film Series	\$1,000
Commission Meetings - Meals	\$1,300

2017 TOTAL REQUEST:	\$4,700
2016 BUDGET:	\$2,500

<u>2016 Workplan Objectives</u>	<u>Status</u>
Provide education and outreach to the public regarding 2014 Steep Slope Landscape Best Practices brochure and code amendments	On-Going
Make policy recommendations to improve recycling output community-wide	On-Going
Make policy recommendations to improve energy efficiency community-wide	On-Going
Improve stormwater management and address water pollution	On-Going
Make policy recommendations to improve the air quality community-wide	On-Going
Co-sponsor Environmental Movie Series with Park District and Library	Completed for 2016
Assist in the Accomplishment of Sustainability Plan Initiatives	On-Going
Review & Recommend on Steep Slope Variations and Beach Structure Permit Applications	On-Going
Grant Award for Meritorious Service to the Highland Park environment	On-Going
Provide education and outreach to the public regarding 2014 Steep Slope Landscape Best Practices brochure and code amendments	On-Going

2016 Additional Accomplishments

Published informational articles in Highlander
Held second annual Highland Park Bike-Walk Fair

I certify that the Commission approved this workplan request by a vote of _____ on the date of _____ for CY2017:

Commission Chair

Signature: _____ Date: _____

DRAFT

**A RESOLUTION SETTING THE SCHEDULE OF REGULAR MEETINGS OF THE
NATURAL RESOURCES COMMISSION OF THE CITY OF HIGHLAND PARK**

WHEREAS, Act 120 of Chapter 5, Illinois Compiled Statutes, requires the Natural Resources Commission to give public notice of its schedule of regular meetings at the beginning of each calendar or fiscal year;

NOW, THEREFORE, BE IT RESOLVED BY THE NATURAL RESOURCES COMMISSION OF THE CITY OF HIGHLAND PARK, LAKE COUNTY, ILLINOIS:

SECTION ONE: That the Natural Resources Commission of the City of Highland Park, Lake County, Illinois, adopts hereby the public notice of its regular meetings in the following form:

PUBLIC NOTICE

The Natural Resources Commission of the City of Highland Park will convene at 6:30 p.m. at Highland Park City Hall, 1707 St. Johns Avenue, Highland Park, Illinois, to conduct its regular meetings during Calendar Year 2017 upon the following dates:

January 11	July 12
February 8	August 9
March 8	September 13
April 12	October 11
May 10	November 8
June 14	

SECTION TWO: That the Secretary of the Natural Resources Commission of the City of Highland Park be and is directed hereby to post a copy of the Public Notice contained in this Resolution in the City Hall Administrative Offices and to supply copies of this Notice as and in the manner provided by law.

SECTION THREE: That this Resolution shall be in full force and effect from and after its passage and approval in the manner provided by law.

PASSED:

APPROVED:

Brent Ross
Chairman of the Natural Resources Commission

ATTEST:

Eric Olson
Secretary / Staff Liaison