



KIRKLAND PARK BOARD REGULAR MEETING

Date: September 14, 2016

Time: 7:00 p.m.

Place: Council Chambers, City Hall

The mission of the Park Board shall be to provide policy advice and assistance to the Department of Parks and Community Services and City Council in order to ensure the effective provision of Parks and Community Services programs and facilities to the residents of the City of Kirkland.

AGENDA

1. **CALL TO ORDER**
2. **ROLL CALL** *5 minutes*
3. **APPROVAL OF MINUTES**
June and July Park Board Meeting Minutes *5 minutes*
4. **ITEMS FROM THE AUDIENCE** *5 minutes*
5. **REVIEW OF ACTION ITEMS**
No items
6. **PRESENTATIONS**
No items
7. **COMMUNICATIONS** *20 minutes*
 - a. Correspondence
 - Debbie Baldwin, drone policy
 - Susan Carr, summer camp
 - Sam Skenandore, Juanita Bay Park
 - Giannina Silverman, Juanita Beach Park
 - b. Staff Reports – summer update
 - c. Committee Reports
 - d. Comments from the Chair
8. **UNFINISHED BUSINESS**
No items

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9. NEW BUSINESS

a. Major Software Systems Implementation *15 minutes*
Topic: Briefing on Parks software systems implementation
Action: Discussion only

b. Peter Kirk Pool *60 minutes*
Topic: Presentation of options for covering Peter Kirk Pool
Action: Provide recommendation to City Council

10. GOOD OF THE ORDER *5 minutes*

11. ADJOURNMENT *Estimated meeting completion: 8:55 p.m.*

Next meetings:
October 12, 2016
November 9, 2016
December 14, 2016

KIRKLAND PARK BOARD

Minutes of Regular Meeting

June 8, 2016

1. CALL TO ORDER

The June 8, 2016, Park Board Regular Meeting was called to order at 7:00 p.m. by Chair Kevin Quille.

2. ROLL CALL

Members present: Chair Kevin Quille, Vice Chair Rosalie Wessels, Jason Chinchilla, Richard Chung, Sue Contreras, Kelli Curtis, Jim Popolow and Adam White.

Staff present: Michael Cogle, Jason Filan, Linda Murphy and Lynn Zwaagstra

Recording Secretary: Cheryl Harmon

3. WELCOME AND INTRODUCTIONS

Members and new Parks & Community Services Director Lynn Zwaagstra exchanged introductions.

4. APPROVAL OF MINUTES

The minutes of the May 11, 2016, meeting were reviewed. Mr. White moved to approve the minutes as presented. Ms. Curtis seconded. Motion carried (8-0).

5. ITEMS FROM THE AUDIENCE

No items

6. REVIEW OF ACTION ITEMS

No items

7. PRESENTATIONS

No items

7. COMMUNICATIONS

a. Correspondence

No items

b. Staff Reports

Mr. Cogle provided an update on construction at Waverly Beach Park.

c. Committee Reports

Ms. Wessels reported on a 1% for the Arts Committee meeting and attended a joint meeting with City Council.

Mr. Chung asked a question about benches on Waverly Way

Mr. Popolow reported on the Kirkland Youth Council's Bluefish Festival.

Ms. Contreras reported on the Memorial Day activities at the Cemetery, the Seattle Tilth Learning Garden, Kirkland Steppers, Senior Art Show and the Park Levy Report.

Ms. Curtis reported on the 1% for the Arts Committee meeting,

d. Comments from the Chair

No items

9. UNFINISHED BUSINESS

a. Joint Meeting with City Council

The Board and staff debriefed following the June 7th joint meeting with City Council. Discussion was had regarding dog off-leash areas, Houghton Landfill and Transfer Station site, establishment of a sinking fund for parks facilities, and the Aquatics, Recreation and Community (ARC) Center.

b. 2015-2016 Work Plan Update

Mr. Cogle provided a status update on the Board's 2015-2016 Work Plan and previewed meeting agenda items for the remainder of the year.

c. July Park Tour

The itinerary for the Board's July 13th parks tour was finalized

10. NEW BUSINESS

No items.

11. GOOD OF THE ORDER

Questions were asked about parking underneath Peter Kirk Park, McAuliffe Park, splash pads, waterfront pathways, Josten Park dedication, and fencing at Kirkland Urban.

12. ADJOURNMENT

Mr. White moved to adjourn the meeting. Ms. Wessels seconded. Motion carried (8-0).

The meeting was adjourned at 8:45 p.m.

Lynn Zwaagstra, Director
Parks and Community Services

Kevin Quille, Chair
Park Board

KIRKLAND PARK BOARD

Minutes of Special Meeting

July 13, 2016

1. CALL TO ORDER

The July 13, 2016, Park Board Special Meeting was called to order at 6:15 p.m. by Vice Chair Rosalie Wessels.

2. ROLL CALL

Members present: Vice Chair Rosalie Wessels, Jason Chinchilla, Richard Chung, Sue Contreras, Kelli Curtis, Jim Popolow and Adam White

Chair Kevin Quille was excused.

Staff present: Michael Cogle, Jason Filan and Lynn Zwaagstra

3. PARK TOUR

Members and staff departed the Parks and Community Services administrative office at 505 Market Street and toured the following locations:

Terrace Park, 10333 NE 67th St.
Spinney Homestead Park, 11710 NE 100th St.
Josten Park, NE 129th St. & 112th Pl. NE
McAuliffe Park, 10824 NE 116th St.

4. ADJOURNMENT

The tour returned to 505 Market St. at 8:40 p.m. and the meeting was adjourned.

Lynn Zwaagstra, Director
Parks and Community Services

Rosalie Wessels, Vice Chair
Park Board

CORRESPONDENCE

From: debbie baldwin <baldwin160@hotmail.com>
Sent: Monday, June 27, 2016 6:40 AM
To: City Council; Park Board
Subject: drone policy in public parks

dear council and board:

on father's day weekend, i was at juanita beach park walking laps on the water boardwalk. the park was crowded and in full use..lots of kids. A father/son team began flying a pair of drones in the park..flying over water, the boardwalk and park. clearly they were just having a father son moment with no malice intended, but I was so intimidated and felt very invaded... other thoughts i had:

1. the noise was beyond annoying... a loud and persistent buzzing
- 2.possible danger to other park goers... if the drone had dropped or operators screwed up..too many kids in the way
- 3.invasive nature of activity, made me feel totally uncomfortable
- 4.within their fly zone(where they were landing and taking off) park space became unavailable..(who wants to sit and hangout under that)

it bothered me enough to talk to the parks and rec department(woman was so helpful and amazing helping me with info.) who confirmed no drone policy exists, and led me to writing this to you. i would like kirkland to start a conversation and hopefully develop a policy regarding flying drones in public parks(preferably banning their use... what about funneling them to marymoor park where they already have a fly zone?)..it would be amazing if kirkland could be in the forefront and be proactive on an issue which will only continue to grow, as drones become more affordable.

really appreciate your listening and hope you can tackle this... thank you

debbie baldwin
 11253 champagne point rd ne
 kirkland
baldwin160@hotmail.com

From: Susan Carr <carr.susanr@gmail.com>
Sent: Thursday, July 21, 2016 1:58 PM
To: Park Board; eParks
Subject: Giggles and Grins Summer Camp

I am writing to inform you about the terrible experience my 3 year old son had while attending the giggles and grins summer camp at the North Kirkland Community Center.

I was informed he was "using the potty too much."

I explained to his teachers, Emily and Liz, that he does have anxiety when he's in new places and that does equate to him using the bathroom more frequently. After 10 days of attending camp (10 days in 4 weeks I might add) I was told that "he should be used to the place and not be using the bathroom so much."

I quickly pulled him out of your summer camp and placed him in a different camp where they are more qualified to handle 3 year olds. Day 1 at his new camp he had an accident, why? Because he was afraid of being told off for using the potty "too much." Now he is apologizing for using the potty. He is 3 years old and feels embarrassed about using the bathroom.

Another issue I have is on one day (he attended 10 days) he had a tantrum (3 year olds are notorious for them) and hid under the table and wouldn't come out. Liz told me that "he needs to learn to respect others." He is 3.

You might want to look at your hiring process for your summer camp employees and hire people who are more experienced with dealing with 3 year olds. We, as parents, are trusting you with our children and to see that my child is now afraid to use the bathroom because of one of your employees is appalling!

I am expecting a full refund for days that my son did not attend summer camp.

Regards,
Susan Carr

From: SamIam <nonlocal@gmail.com>
Sent: Tuesday, August 16, 2016 10:10 AM
To: Park Board
Subject: Bathroom Maintenance at Juanita Bay Park

Hello,

We have been using the wonderful Juanita Bay Park. The restrooms at Juanita Bay Park are not being maintained however. We have noticed the following:

1. No cleaning of floors, there is urine soaked cement all around the urinals and toilet. There is no clean place to step. The floor has not been cleaned **in weeks**.
2. Spider infestation. There are egg sacs around the sit down toilet, outside the door and looking up there are probably a thousand egg sacs lining the walls and ceiling.
3. The door leading out is dirty.

Whoever is in charge of this bathroom is doing a poor job. The bathroom should be hosed out, with floors cleaned daily if not every other day during the active summer months. The facility itself should be sprayed with an insecticide.

Please let us know if this is just an oversight? Should I forward this to the City Council?

Thank you,

Sam Skenandore

From: Giannina Silverman <gsilverman@rocketranchdesign.com>
Sent: Friday, September 09, 2016 9:57 AM
To: Park Board
Subject: Juanita Beach Park, statues dumped in lake

Hi!

Just wanted to let you know what was seen in the water last night at Juanita Beach Park, three Hindu Ganesha (Elephant God) statues dumped in the water. A picture is attached. They might still be in the water, just to the right of the end of the dock. I did not witness who dumped them.

I asked a Hindu friend about it, and she said it's a Hindu ritual to dump these clay Ganesha statues in a lake for good luck.

You may want to do some friendly outreach to the local Hindu temples and advise people that while you welcome all visitors to the park, dumping in the water is not environmentally sound.

Anyway, I thought I should let you know, if you didn't already.

Thanks so much,

Giannina Silverman

(Bothell resident who enjoys Juanita Beach very much).



Giannina Granata Silverman
gsilverman@rocketranchdesign.com



CITY OF KIRKLAND
 Department of Parks & Community Services
 505 Market Street, Suite A, Kirkland, WA 98033 425.587.3300
www.kirklandwa.gov

MEMORANDUM

To: Park Board

From: Lynn Zwaagstra, Director of Parks & Community Services

Date: September 9, 2016

Subject: Staff Update: Summer 2016

Department Administration, Planning and CIP Projects

Highlights:

- Department administration has been focused on the biennial budget process. FY2016 year-end budgets were submitted, along with budget requests for 2017-2018. Service package requests were made and are currently being evaluated by the city for financial feasibility.
- Director, Lynn Zwaagstra, is conducting meet-and-greets with city and department staff as well as briefings and orientations as part of the onboarding process.
- Staff met with the Park Board in July to conduct a tour of Terrace Park, Spinney Homestead and McAuliffe Park. Park plans were discussed.
- Extensive conversations and preparations are in progress on two major upcoming projects: Lucity asset management software and Rec1 parks and recreation software implementation. Both software solutions entail sweeping changes in business practices and will modernize both operations and customer service processes.
- Staff are working with city administration to establish a parks facility sinking fund that will fund park facility major maintenance into the future.
- The Waverly Beach renovations are complete with a ribbon cutting held on July 11 for the new picnic pavilion.
- RFPs have been issued for the master planning of Terrace and Spinney Homestead parks.
- Several property appraisals are in progress for possible park acquisitions.
- Staff are actively working on the design of the Juanita Beach Bathhouse replacement and Edith Moulton park development

Parks Maintenance and Operations

Highlights:

- Welcome to new staff members Bert Vigeland and Rico Nichols. They both will be serving on the Ballfield and Events team and will eventually be covering our summer swing shift. Primary duties include: Prepping baseball field for play, keeping parks and their restrooms clean and tidy throughout the evening, responding to all after hour calls, pool checks, and closing down all the parks.
- Recycling bins coming to Neighborhood Parks! As part of their "Keep America Beautiful" campaign, beverage maker Dr. Pepper / Snapple is funding a program through Waste Management to install and maintain recycling cans. The blue cans will look very similar to the residential ones and be placed by all Neighborhood Park garbage cans. Additionally Waste Management has agreed to install and maintain four of the "Big Belly" garbage can systems at

Houghton Beach Park. The solar powered cans have the ability to compact the garbage and also send an email indicating when the cans are full.

- Groundsperson Sara McKay was recently accepted into a prestigious forestry program in Germany.
- Everest Park again hosted the Softball Little League World Series. This year, teams from the Philippines, Canada, Puerto Rico, Czech Republic, Rhode Island, Ohio, North Carolina, California, and Kirkland made it to the championships. This year team Puerto Rico came away with the title.
- Tot Lot "Turtle Park" was the recipient of a new slide this past month. The old slide was a beloved component but with its estimated service life at somewhere between 35-40 years it was time for retirement. It didn't take the customers long to figure out there was a new slide in town. As you can see by the line-up, the customers are enjoying the new amenity.



New slide at Tot Lot Park

Recreation

Highlights:

- 41,300 fall/winter recreation brochures were delivered to Kirkland addresses on August 10th.
- The first day of fall/winter registration for 2016 showed an increase of 313 registrations and \$25,212 over fall/winter 2015.
- Welcome to new Program Assistant, Michelle Smith. Michelle comes from the City of Maple Valley and before that Kent's Commons Community Center.
- Georgia Wall (Seattle Seahawks) and Kellsie Steele (San Francisco 49ers) choreographed another spirit-filled week of cheers, chants, dances and jumps for 20 energetic 8 to 11 year olds this summer at the North Kirkland Community Center. The final performance was showcased on the basketball court to an audience of approximately 45-50 friends and family members.
- Current and former members of the world-champion Hot Dog USA jump rope team make up the group of energetic jump ropers who perform and teach jump rope skills called the Jumpin' J's. Following their week of competition in Portugal, the Jumpin' J's were back home in Kirkland to teach Double Dutch, long rope and specialty jumping to a group of 40 6-12 year olds. It was standing room only for the final day performance which drew approximately 60 spectators.
- Jr. Campers boarded a metro bus on one of the hottest Thursdays of the summer for two hours of water fun at Kirkland's Sprinkler Park. Jumping, chasing, laughing, while getting fully drenched with cool water on 90°+ temperatures was followed up by a trip to Sirena Gelato for a tasty, frosty treat, dubbing this as one of the best adventures of the summer.
- Staff are beginning to work on the implementation of a new software, Rec1. This software will help align all department customer service facing business practices, policies and pricing to provide better, more consistent service to the community.

Important or impactful upcoming programs, events or big rentals:

- Both Community Centers are on limited programming August 22nd – September 2nd, for important yearly maintenance; finishing hardwood floors, needed painting, minor repairs and misc. tasks. Regular Customer Service hours continue M-F 8am – 5pm.
- Kirkland Kids Tri will be Sept. 10th for ages 3 to 12 years of age at Juanita Beach.

- Big TIME GAME Feel – the City's Recreational Adult softball leagues begin to play the late summer/fall under lights at Lee Johnson Field.
- Registration for Fall Preschool PEE WEE soccer opened on July 13th presently it almost at capacity with 377 registered out of 380 spots available.

Youth Services

Highlights:

- The Bluefish Music and Art Festival was held in conjunction with the opening day of the Juanita Farmer's Market on June 3rd.
- Three sessions of Teen Traffic Court were held, with a total of nine cases heard.
- Youth Council Leadership retreat was held August 14th.
- Regular Youth Council meetings begin August 22nd. The group will resume its meeting schedule of second and fourth Mondays of every month.

Human Services

Green Kirkland Partnership

Highlights:

- On June 2nd, a Green Kirkland staff member attended the University of Washington's Restoration Ecology Network Symposium in Seattle. This showed support for a program that benefits restoration work in Kirkland and encouraged the group of students who worked at Crestwoods Park in presenting the restoration work they've accomplished.
- On June 2nd, an EarthCorps crew spent the day without volunteers doing maintenance weeding in several restoration areas of Juanita Bay Park. This crew day was funded through a grant from the Melody S. Robidoux Foundation Fund held at the Community Foundation for Southern Arizona.
- On June 4th, 38 volunteers gathered at a sunny Crestwoods Park to grub out invasive blackberry. This event was led by EarthCorps staff and was the final spring season contractor-led event. EarthCorps led events are funded through a King Conservation District grant.
- On June 15th, UW-Restoration Ecology Network students conducted their final site visit concluding their restoration work in Everest Park. This marks the seventh time that Green Kirkland has partnered with UW to accomplish both learning about and conducting restoration.
- On June 23rd, two Green Kirkland staff members participated in a training on Conifer Pests and Diseases at the UW Botanic Gardens, Seattle.
- On June 22nd, 27 Google employees gathered at Watershed Park to remove re-growing invasive plants and spread mulch. This represents the second year that Google has partnered with GKP for volunteer opportunities.
- On June 30th, an EarthCorps crew funded by this year's King Conservation District's grant worked without volunteers to grub out blackberry roots and lay down woodchip mulch in Crestwoods Park, to finish up work in an area worked by volunteers on June 4th.
- July and August typically have fewer big events because many volunteers are on vacation; however, weekly smaller events continue regularly.
- Summer brings the importance of watering thousands of young native plants that are less than three years old. GKP grounds staff



Google volunteers at Watershed Park, June 22nd

- collaborate with Parks Maintenance staff to share a truck-mounted water tank.
- On July 13th, GKP Program Coordinator Katie Cava presented to a group of Volunteer Coordinators and Municipal Volunteer Managers about managing group projects.
- On July 28th, 13 employees from Ford of Kirkland, including Mayor Amy Walen, volunteered at Juanita Bay Park to remove invasive blackberry and ivy.
- A Request for Proposal was submitted to University of Washington's Restoration Ecology Network to continue restoration efforts in Everest Park. If approved, this will be the eighth time Green Kirkland has partnered with UW-REN to help students lead restoration techniques and accomplish on the ground restoration in Kirkland Parks.
- An abandoned camping area was found in O.O. Denny Park and reported by both a Green Kirkland Steward and GKP staff. Within a week, GKP staff removed all camping materials and trash present. This area will be restored and re-planted.
- On August 20th, Christin Deakins, a new Green Kirkland Steward, will host her first volunteer event in the southern portion of Crestwoods Park. She will lead volunteers in removing ivy and vinca, and will have staff support at the event.
- Wednesday, August 24th- GKP Steward Appreciation BBQ at Everest Park 6pm-8pm

Important or impactful upcoming programs, events or big rentals:

- Wednesday, September 21st - Steward Social at Café Veloce 5pm-7pm.
- Friday, September 23rd - United Way Day of Caring - Green Kirkland Partnership is hosting volunteer events at Watershed Park (10am-1pm), O.O. Denny Park (10am-noon), Juanita Bay Park (10am-1pm) and Crestwoods Park (10am-2pm).

New contracts, agreements, grants:

- Blue Water Grant: On June 2nd, representatives from the Royal Bank of Canada handed a check for \$5,000 to the Kirkland Parks Foundation. The Parks Foundation had submitted the Blue Water Grant in partnership with GKP. The Parks Foundation then donated \$5,000 to GKP to be used to fund volunteer events and professional restoration activities at O.O. Denny Park, in accordance with the grant requirements.

Special Events

The Special Event Team continues to meet the first Thursday of each month.

Highlights:

- The annual special event guide review has begun. The service team, along with other key staff, will update policies and procedures for 2017. Police, Building and Public Works anticipate 2017 rate increases.
- On July 5, City Council adopted Ordinance O-4523 amending Kirkland Municipal Code Chapter 19.24 which establishes separate application and permit fees for special events, waives event permit fees for certain events of one hundred or fewer participants, and makes smaller events exempt from the City's limitation of two events per month at any one venue. The new \$50.00 application fee and \$110.00 special event permit is equivalent to the previous \$160.00 permit fee.
- Film Production companies run on tight schedules. Location Scouts often pre-select and permit multiple venues in advance and then the actual site is chosen only days before the shoot. We work closely with Production Coordinators in order to meet their scheduling needs. To this effort, film permit applications are required just 5 days in advance. Kirkland benefits from filming through direct spending in the community and with a successful project comes tourism dollars, free marketing and community pride!

- May 6: Burgers & Books
Curator Pictures, a Seattle based company, spent the day at Houghton Beach working on a virtual reality 360° video experience. We hear Bill Gates made an appearance.
- May 12: Soundmark Wealth, Commercial
Hand Crank Films, based in Bellingham, filmed a commercial on the Juanita Bay Boardwalk for Soundmark Wealth - a local Juanita neighborhood business.
- May 20-22: Tiny House Hunting, Season 4 – Episode 9
New York based Loud Television spent three days in Kirkland getting B-roll footage, which included Marsh Park, for an upcoming episode of Tiny House Hunting which airs on A&E Television Networks.
- July 25: Blackwing Creative, Corporate Video
Blackwing Creative, a local Seattle production company, used Heritage Park as the background for a testimonial scene.
- August 5-6: Junior Little League Softball World Series Finals, Live Broadcast
Connecticut based ESPN sent a team of 33 to produce a live broadcast of the championship game from Everest Park. Setup for this one-day production involves temporary installation of telecommunication and power equipment, multiple permits and inspections.
- Juanita Friday Market
Staff received a very nice email from Mr. Marc Bauman, in which he said:
"Thank you for bringing this market back for 2016. The market is a benefit to the community as it provides a place for neighbors to gather, purchase quality fruits & vegetables, grab dinner and listen to music. All of this in the beautiful lake side setting."

Upcoming Events:

- In September, service team members will review permit applications for Hopelink's annual Turkey Trot and the Kirkland Downtown Association's Kirkland Winterfest event.
- September 17: Susan G. Komen Seattle 3 Day
A fresh new route through Kirkland takes advantage of the Cross Kirkland Corridor and promises fewer hills for the 1,300+ walkers. Juanita Beach, Heritage Park and Spinney Homestead will serve as support stations.
- September 23-25: Kirkland Oktoberfest
The three day event draws more than 10,000 attendees to Marina Park each year. Festival goers will enjoy a jovial biergarten, plenty of Oompah music, hot sausage, human foosball on the beach and wiener dog races.
- September 28 & 30: Kirkland Farmers Markets
Kirkland Wednesday Market and Juanita Friday Market wrap up their seasons during the last week of September.
- We appreciate his message and are very grateful for the support we receive from our local community!

Updates from boards, councils, advisory groups

GIS User Group

- June - GKP did not attend meeting; all workstations running ArcGIS to be updated to version 10.3.1
- July meeting highlights:
 - GIS Division top priority is EAM/Lucity GIS implementation. Currently focusing on Phase I and II (Surface Water & Sewer and Water & Facilities). Field data collection for Phase III (Public Grounds & Parks) is going well with Park Assets data collection in progress (17 feature classes).

- ArcGIS Online implementation delayed until further notice.
- 2016 LiDar and risk mapping happening this summer. Being conducted by a group of UW grad students.
- August highlights
 - EAM/MMIS GIS Implementation going well. Parks Field data collection 85% completed.
 - 2016 LiDar maps have arrived. This is going to mean more accurate contour maps and more accurate mapping of streams which we have been waiting for a long time!
 - New orthomaps are being reconfigured so that they are smaller and will be better to work with on mobile devices.
 - Everyone who uses ArcGis should now be running ArcGIS version 10.3.1.

Green Cities Focus Group

- On June 15th, two Green Kirkland staff members attended the Green Cities Network Focus Meeting in Tukwila to discuss Steward Programs with seven other cities. Each city reported on its Steward Program, and new ideas and lively discussions were generated.

Green Team

- June 6th. Meeting cancelled.
- July 13th.
 - Presentation by Seattle Tilth and discussion.
 - Introduction of Kathy Cummings, Kirkland's Communication Manager, and discussion on working together regarding communications.
 - Update on Solarize Kirkland.
 - Update on Scope 5 software tracking of environmental markers, such as number of new trees planted.
- August 10th. No GKP participation. Items discussed were:
 - Update on Climate Plan presentation for Council
 - Environmental Section of the City's Performance Report

Tree Team

- July 6th: Focus was on the Urban Forest Report due to Council mid-year and how best to convey to Council the need for increased resources for tree management.
- August 3rd. No GKP participant at meeting. GKP had previously provided data, photos, and narrative content for the Urban Forest Report, including accomplishments for 2015-2016 and projected initiatives for 2016-2017. Discussion items included:
 - CKC tree policy discussion
 - Annual Urban Forest Report – final review. The report to Council was originally scheduled for July, then August, now for September 6th.
 - Staff memo to accompany report – final review

Upcoming meetings with boards, councils, advisory groups, user groups:

- GIS User Group meeting September 21st. Ina to attend.
- Green Team meeting on September 14th. Sharon to attend.
- National Pollution Prevention Week planning meeting on August 31st. Katie to attend.
- Public Information Officer meeting led by Kathy Cummings on September 13th. Katie to attend.
- Parks/Public Works Coordination, Round 2 meeting on September 21st. Sharon to attend.
- Rec 1 Facility Booking Software kick-off meeting on August 30th. Katie to attend.
- Tree Team meeting on September 7th. Sharon to attend.

Parks and Community Services Monthly Tracking

Monthly hours spent maintaining and improving parks and trails

Neighborhood parks	1,715
Community parks	4,805
Waterfront parks	4,285
Natural areas/open space	390
Park facilities	464
Other sites	1,602
Total Hours	13,262

Marina use

	Number	Revenue
Boat slip rentals		\$31,177
Boat launch cards sold		
Boat launches		\$9,750
Commercial dockings	138	\$8,907

Monthly facility rentals and use

	Hours used by City / KPCS programs	Hours used by community
Heritage Hall		
PKCC Rooms (aggregate)	2,209	141
NKCC Rooms (aggregate)	2,091	40
Picnic shelters (# of bookings)		150
Ballfields	170	3,096

Quarterly program participation numbers

Quarter: Summer (June-Aug)

	Number of programs offered (quarter)	Total participants (quarter)	Total Program Hours
Preschool (3-6)	281	1,549	
Parent and child	65	534	
Youth & teen (6-19)	478	3,764	
Adult (20-49)	73	850	
Age 50+	65	889	
Total	962	7,586	

Pool & beach use

	Daily admissions /participants - Water	Daily admissions /participants - Land	Swim tests administered
Peter Kirk Pool	7,101		1,385
Houghton Beach	2,986	14,026	373
Waverly Beach	774	5,736	352
Juanita Beach	6,696	25,289	426

Green Kirkland Partnership

	June	July	August
Total plants planted	-	2	-
Total invasive species removed	40	64	-
Number of volunteer hours	622	290	
Number of volunteer events	19	12	19

Human Services (service organizations receiving grant dollars)

Number of Kirkland residents served	
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Youth Services

Number of events	
Volunteer hours	
Traffic court cases heard	

Cemetery

Number of interments	7
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Special Events

	June	July	August
Number of events	4	15	24
Calendar days	11	15	24
Estimated event participants	6,230	72,576	39,662



CITY OF KIRKLAND
 Department of Parks & Community Services
 505 Market Street, Suite A, Kirkland, WA 98033 425.587.3300
 www.kirklandwa.gov

MEMORANDUM

To: Park Board

From: Lynn Zwaagstra, Director of Parks & Community Services
 Linda Murphy, Recreation Manager
 Jason Filan, Park Operations Manager

Date: September 9, 2016

Subject: Parks and Community Services Department Major Software Systems Implementation

RECOMMENDATION

That the Park Board receive a briefing on the implementation of two new major computer software systems for the Parks and Community Services Department:

- Program Registration and Facility Booking (Rec-1)
- Asset and Maintenance Management (Lucity)

BACKGROUND DISCUSSION

The Parks and Community Services Department is in the process of installing and implementing two new major software systems which have significant long-term implications for how the Department (a) provides excellent customer service; (b) responsibly manages our assets; and (c) efficiently organizes and processes our work.

Staff will provide the Board with an update on the tasks and timeline for implementing the following:

Program Registration and Facility Booking Software – Rec-1

The Department's aging recreation program registration software system is being replaced with a new system which offers far greater functionality both for the customer and for staff. The product will be utilized across the Department's operating divisions to unify and simplify registration processes, facility booking, communication with customers, and pricing structures and policies.

Asset and Maintenance Management Software - Lucity

The City of Kirkland is implementing a new computer software system to track and manage assets across departments, facilities, and locations. The high number of assets, their age and condition, as well as regulatory requirements have made asset management very difficult without a computerized system. Lucity will help the City effectively address the asset inventory while keeping the maintenance and repair history necessary to monitor, evaluate, repair, replace, finance, or otherwise sustain the City-owned infrastructure. The goal is to enable managers to control and pro-actively optimize operations for quality and efficiency.



CITY OF KIRKLAND
Department of Parks & Community Services
505 Market Street, Suite A, Kirkland, WA 98033 425.587.3300
www.kirklandwa.gov

MEMORANDUM

To: Park Board
From: Michael Cogle, Deputy Director
Date: September 9, 2016
Subject: Options for Converting Peter Kirk Pool to Year-Round Use

RECOMMENDATION

That the Park Board review options for converting Peter Kirk Pool to year-round use and provide a recommendation to staff and the City Council. Options for the Board to consider include:

1. Purchase and install inflatable "bubble" structure
2. Construct a permanent glass-enclosed structure with retractable roof
3. Operate the pool uncovered year-round as an open-air facility
4. None of the above – maintain Peter Kirk Pool as a seasonal outdoor facility

BACKGROUND

At the Park Board's joint meeting with the City Council in June interest was expressed in further exploring options for converting the outdoor Peter Kirk Pool facility from summer-only use to year-round use, irrespective of the future disposition of the Juanita Aquatic Center at Juanita High School.

This report, much of which was provided to the Board in 2014 as part of research related to the Aquatic, Recreation, and Community (ARC) Center project, provides updated information on the option of installing an inflatable "bubble" structure as well as new information on an option to cover the facility with a permanent glass-enclosed retractable roof structure. Information about operating the pool year-round without a cover is also provided.

History

Peter Kirk Pool was opened in 1969. There are two pool tanks: one is a 4500 square feet, 6-lane lap pool with diving area, and the other is a 780 square feet shallow teaching/wading pool. Including decking and other outdoor areas, the pool facility is comprised of about 20,000 square feet in total.

Since its initial opening the pool has undergone one major renovation, which took place in 1995. Completed improvements included new decking, new bathhouse, guard shack, mechanical rooms, and control systems. In 2007 the Parks and Community Services

Department commissioned a facility assessment which has resulted in on-going facility capital investments related to increasing accessibility and safety and ensuring compliance with applicable health codes and laws. Most recently, a new larger and more efficient boiler was purchased and installed to heat the water.

The facility is now open seven days per week for 13 weeks each summer and provides swim lessons, public swimming, water aerobics, water safety classes, lap swims, competitive events, rentals, school outings, and special interest classes for all ages. The pool annually records approximately 17,000 to 18,000 visits by users. The pool operates as a cost-neutral facility, with revenues and expenditures of approximately \$300,000 annually.

Inflatable Structure Option

Inflatable structures (also referred to as air-supported or air-inflated structures) are most often dome-shaped structures used for warehousing, shelters, and sports and recreation facilities. Examples of local inflatable structures can be seen at Mercer Island Beach Club and Newport Hills Swim and Tennis Club in Bellevue.

Inflatable structures derive their structural integrity from the use of continuous internal pressurized air to inflate a pliable synthetic fabric envelope, so that air is the sole support of the structure, and where access is revolving doors which serve as airlocks.

Inflatable structures are advantageous due to their relative inexpensive cost and can be removed entirely during warm summer months. However, they can be deemed to be unattractive, particularly in an urban and park setting. A rendering of a possible inflatable "bubble" over Peter Kirk Pool is shown in **Attachment A**.

Glass-Enclosed Structure with Retractable Roof Option

It is possible to enclose Peter Kirk Pool by constructing walls and a roof. Popular choices for enclosing outdoor pools include greenhouse-type glass structures which provide maximum connection to the outdoor environment, with options to include large sliding doors and/or retractable roofs to be opened during suitable weather conditions. Some facilities have included solar panels into the design as well. Examples locally of either fully or partially glass-enclosed pools include the Lynnwood Recreation Center and the Clark County YMCA in Vancouver, Washington.

One consideration in pursuing a permanent enclosure is to concurrently evaluate the condition of the existing outdoor pool facility's other components and amenities. Often times a more extensive facility upgrade (new decking, new mechanical and water treatment systems, for example) is completed in conjunction with adding the permanent glass enclosure in order to bring the entire facility up to a fresher and more functional condition.

A glass-enclosed structure provides a very attractive alternative for converting a seasonal pool to year-round use, but is comparatively expensive and can trigger additional facility improvements which can make the conversion even more costly. More background on pool enclosures is provided in an article from the professional publication *Recreation Management* in **Attachment B**.

Cost Considerations

The following chart provides a comparative estimate of both capital and operating costs related to the two options for covering Peter Kirk Pool:

	INFLATED BUBBLE	GLASS ENCLOSURE
INITIAL CAPITAL COSTS	\$450,000 - \$600,000	\$3.0 million - \$4.0 million
ADDITIONAL OPERATING COSTS*	\$450,000 - \$500,000	\$540,000 - \$600,000
ADDITIONAL REVENUE*	\$280,000 - \$320,000	\$350,000 - \$400,000
ONGOING SUBSIDY	\$130,000 - \$220,000	\$140,000 - \$250,000

*indicates cost and revenue over and above existing (summer) budget figures

Operating assumptions built into these estimates include:

- Juanita Aquatic Center remains open and its existing programs continue.
- Programming during non-summer months would be 7-days per week.
- Programming would occur between 5:30 a.m. and 10:00 p.m.
- Staffing costs do not include additional administrative personnel, which may be required to successfully manage a year-round facility.

Architectural and engineering services would need to be commissioned in order to obtain a more precise cost estimate for a permanent glass enclosure.

Year-Round - No Cover Option

Another option, which staff views as more of an interim or crisis response should the Juanita Aquatic Center be closed, would be to operate the pool without a cover. Water temperature would be maintained at approximately 82 degrees.

An example of this option is the Samena Swim & Recreation Club in Bellevue. Samena is a membership-only private facility which has two pools, one indoor lap pool and one outdoor lap pool. Both pools are open year round. They offer adult lap swim, recreation classes, fitness, swim team and triathlon training.

Staff is skeptical that this option would be viable as long as nearby indoor alternatives such as the Juanita Aquatic Center remain open. The outdoor pool would likely be used primarily for fitness and training purposes, but less so for lessons and family swim in the fall and winter.

Improved lighting of the decking and pool tank would be necessary to operate the pool during darkness, and a cost estimate of about \$25,000 for new lighting has been developed. Otherwise, no significant capital investments would be necessary to operate the pool as an

open-air facility during non-summer months. Operating costs would be variable dependent upon hours of operation and programming (to be determined based on user demand), but would likely need to be heavily subsidized.

Other Considerations

Providing year-round programming has several implications / considerations that should be noted, such as:

- Parking Impacts – Peter Kirk Pool users are directed to utilize the Municipal Parking Garage below the Kirkland Library. Consideration of parking impacts should be examined.
- Neighborhood Impacts – Year-round use of the pool may have negative impact to surrounding businesses and residences, particularly during early morning and late evening times.
- Aesthetics – The aesthetics and view obstructions of an inflatable structure or a glass enclosure should be fully considered.
- Excessive Facility Wear and Tear – Increased use of the pool facility will accelerate the need for major maintenance and replacement of pool facility components such as water pumps, filtration, and water treatment systems.

Attachments

Illustration of Covered Peter Kirk Pool



RECREATION MANAGEMENT

IDEAS AND SOLUTIONS FOR RECREATION, SPORTS AND FITNESS FACILITIES

Top It Off

Enclosing a pool can increase program offerings and help draw new crowds

By Margaret Ahrweiler

In the middle of the day, the pool at the Mission Valley YMCA in San Diego was, without question, the place to be for swim lessons, lap work and recreation. But getting members in the water at 8 a.m. or 7 p.m. was a different story. Sunny Southern California notwithstanding, with a desert climate, temperatures drop into the low 50s at night, making mornings and evenings less than ideal for anyone other than hard-core swimmers. Not to mention, keeping the water temperature constant, even with a heater, presented a constant challenge.

What's more, the aging Baby Boom population driving the YMCA's market (along with everyone else's) had had enough of brisk water, says Dick Webster, executive director of the Mission Valley. They wanted warmth. They wanted comfort. They wanted easy on the joints.

To better serve its market and expand the facility's use, the Mission Valley Y embraced a solution once considered limited to cold-weather climates: a pool enclosure.

Pool enclosures can turn a part-time facility full time and change the entire feel of a rec facility. But along with increased usage and profits, enclosing a pool can float a whole new set of issues through the air, namely: cost, air quality, water quality and maintenance.



PHOTO COURTESY OF STRUCTURES UNLIMITED
Comfort Suites in Hawthorne, N.Y.



PHOTO COURTESY OF STRUCTURES UNLIMITED
Ryderwood Village in
Montgomery County, Md.

The switch from out to in can be done in several ways with varying degrees of permanence. For a temporary indoor fix, inflatable domes can get a facility over a cold-weather hump and come down for warmer weather. Domes also can take a more long-term service as year-round structures.

For a more permanent system, facilities can consider greenhouse-type structures, many of which come with retractable roofs and banks of sliding doors to provide an indoor/outdoor feel. Finally, the brick-and-mortar approach—building a traditional addition around the pool—creates the most solid, "indoor" environment. Before committing to an enclosure system, however, take a good, hard look at who uses your aquatics program and how, advises Dan Meus, principal in Boston-based Graham/Meus Inc. architects.

"If you have a club with a big leisure pool and strong summer program and that's the biggest part of their business, enclosing it with a windowless, totally indoor structure is probably a bad idea," Meus says. "There really needs to be a strong connection with outside."

True building additions and opaque domes can remove that outdoor connection, Meus says, but on the other hand, domes can extend what can only be a three-month swimming season in northern climates.

"If it's set up in the winter and removed in the summer, that can be a treat for members as well," he says.

Glass enclosures create the greatest connection with the outdoors, albeit at the greatest cost, according to Meus, especially for those in cold-weather regions.

"There's nothing like swimming when you can see the snow falling all around," Meus says.

The biggest barrier to these greenhouse-type enclosures is initial cost.

According to Alan Dodson, president of Garland, Texas-based Sun Builders, the structural system alone runs from around \$50 to \$70 per square foot, before adding the cost of the ventilation system or foundation work needed for the footings.

"Glass coverings run five times the cost of a bubble, and a permanent steel structure is at least double the cost of a bubble," Meus says. "But if you can produce income from it, it makes it worth your while."

Mission Valley YMCA, for one, felt an immediate financial impact from enclosing its pool.

"It increased our swimming activity 400 percent," Webster says. Aquatics programs have expanded to the point that the facility is planning another, outdoor pool that will cater to "hard-core" users—lap swimmers, master swimming programs, water polo and swim teams, he adds. The YMCA will then convert the enclosed pool to a 90-degree therapeutic pool.

Let the sun shine in

Glass enclosure systems also can bridge the gap between users who want an outdoor feel and those who prefer the great indoors.



PHOTO COURTESY OF STRUCTURES UNLIMITED
Enclosures can expand a pool's year-round offerings.



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"When we initially proposed this to our membership, there were a lot of cries that we want open air," Webster recalls. "Now, the biggest complaint is that it's not closed enough."

Even when closed, the clear roofs allow swimmers and loungers the benefits of natural light without the hazards of exposure to ultraviolet rays.

The dramatic appearance of an enclosed pool can instantly increase visibility as well, aiding in marketing efforts.

"Before we installed the enclosure, our pool was hidden—people never knew we had a pool," Webster says. "Now, it's a focal point. People can walk up to our facility and imagine themselves from our pool."

By increasing the availability of the pool, enclosures can also help make popular programs more accessible. The Almaden Valley Athletic Club in San Jose, Calif., had to compress a year's worth of aquatics lessons into the summer months, with popular programs booked months in advance. But when the club enclosed its outdoor pool with a greenhouse-type system, its swimming program sprouted fins. Ten bays of sliding doors and 16 roof panels open up to create an outdoor feel while providing just enough protection from the vagaries of the San Francisco Bay weather.

"It's had a huge impact on their programming," says Rob Christie, president of the enclosure-system manufacturer that installed the club's system.

While exposure to natural light may not rank high on a California facility's list of priorities, the large expanses of glass can give a huge psychological and emotional lift to cold-weather facilities. For example, Meus is working on an addition with an enclosed glass leisure pool area at The Works, a fitness club in Somersworth, N.H., which is keeping its outdoor pool intact and starting from scratch with an indoor system.



PHOTO COURTESY OF CCSI INTERNATIONAL, INC.
Enclosures that feature an opening roof system can create natural air circulation in a pool environment.



PHOTO COURTESY OF ILLBRUCK, INC.
Willow Valley retirement community in Lancaster, Pa.

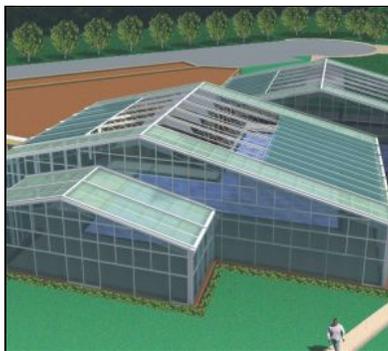
"To be able to feel that sun in the middle of winter, especially if you have small children, is a big boost," Meus says. "It also allows you to use the pool on a rainy day, where you can close the roof but keep the doors open."

The glass enclosure systems feature three key points that make them different from stick-built systems: First, they're built of powder-coated aluminum, which is one of the few construction materials that does not break down when exposed to chlorine or moisture. By building the framing systems off-site to a pool's measurements, the construction team need not cut any beams, which weakens the corrosion resistance. (Cut spots expose uncoated metal, giving that corrosive chlorine an entry point.) These aluminum systems also feature a thermally broken design, which means that the inside parts are separated from the outside parts by rubber gaskets. This limits conductivity and helps reduce the condensation caused by big differences in indoor and outdoor temperatures. It also helps the structures adapt to a wide range of climates, from a Canadian winter to an Arizona summer, Christie says.

Next, they feature retractable roofs that can expose up to 40 percent of the facility to open sky and create an inexpensive, easy way to help regulate air quality. If it gets too humid or hot, you can open the roof. Some roof systems are composed of panels, allowing the option of only opening a few panels. Others feature sliding retraction systems, so that a roof can be "cracked," like a window or fully opened, exposing most of the pool. At the Mission Valley YMCA, the roof opens enough to expose four of the pool's six lanes.

And those roof panels do more than just let in light and air. The roof panels are made of polycarbonate, a tough yet clear resin-based plastic—think of a Nalgene bottle for your roof. Not only is polycarbonate much more durable than glass, it also protects against UV rays, allowing sun worshippers to get their fill without damaging their skin, Christie says. Finally, sunlight helps break down chlorine as well. Polycarbonate's high thermal resistance means it conserves heat (or in the case of hot desert climates, cool) better than insulated glass. The side panels of pool enclosure systems are typically composed of glass, laid between aluminum support beams, with banks of sliding doors—either patio style or the vertical "garage-door" variety that can open to create more of an outdoor pavilion feel. Some systems can incorporate columns of conventional walls with up to an R-20 value of insulation, Christie says.

With improved technology and engineering, prefab aluminum and glass systems can accommodate ever-larger structures. An enclosure system at the Milford/Orange YMCA in Milford, Conn., features a 100-foot wide span and rises to a height of 20 feet to match the existing building, Christie says. The systems will work with almost any pool, adds Dodson—the only thing prohibiting a structure might be a tight site, where the contractor could not squeeze in the foundation footings between a pool and an existing building.



ART COURTESY OF OPENAIRE
Milford/Orange YMCA in Milford, Conn.

OUT OF THE BUBBLE AND INTO THE GLASS

For close to 20 years, the Milford/Orange YMCA in Milford, Conn., had been a bubble kind of place. Its outdoor pool—one of the few in the area—had been covered by an inflatable dome during cold-weather months. For this branch of the Central Connecticut Coast YMCA, the temporary dome gave members the best of both worlds. Members enjoyed being in the great outdoors in the summer, where they could

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enjoy the bucolic views of the Y's 25-acre wooded property during their leisure or competitive swimming.

But as their second 110-by-100-foot dome (the first lasted 10 years) approached the end of its life span, the YMCA's leadership began looking at other options, says Judy Jameson, executive director of the Milford/Orange YMCA.

"Bubbles only last eight to 10 years; we'd already had two, and it would cost about \$100,000 for a new one, and it was very labor intensive to put up," she explains. "It was not financially feasible to continue."

The Milford/Orange Y also sought a more efficient, aesthetically pleasing alternative to the bubble, which "wasn't particularly aesthetically attractive, and it wasn't airtight, increasing heating costs," Jameson says.

A glass system seemed to be the way to go, but the size and shape of the pool had limited that possibility until recently. The large, Z-shaped pool (with a shallow area at one end, lap lanes in the center and a deep end at the other end) and its configuration right next to the main YMCA building posed a challenge for enclosure firms.

"They really had to put their configurations to the test," Jameson says. But with engineering advances, the enclosure firm was able to handle the 140-foot-long span needed to cover the pool properly, along with the 20-foot height to tie the enclosure into the existing building.

The new enclosure system features a retractable roof and open-wide sides to maintain an outdoor feel and tie the pool to the picnic area and playground nearby.

"It will still feel like outside to our members," Jameson says.

A giant erector set

These systems generally get built much more quickly than a traditional structure. Glass enclosure systems, which are manufactured by a handful of firms in the United States and Canada, typically feature powder-coated aluminum framing systems manufactured in a factory to a facility's precise measurements. They are then shipped on site and assembled "like a giant erector set," says David Hoy, general manager of the Pointe Royale Country Club in Branson, Mo., where Sun Builders is enclosing a pool.

Hoy has been impressed with how quickly the structure rises.

"It only takes eight to 10 days," he says. "They come on the site and work seven days a week. It's very fast."

Pointe Royale, an upscale residential (Andy Williams lives there) and country-club community, chose an enclosure system for a high level of aesthetic quality along with structural integrity.

"We decided to spend the extra dollars up-front and save on maintenance," Hoy explains. "Everyone I spoke to with a wood structure had nothing but difficulties fighting the chlorine and humidity. This is basically indestructible."

And once erected, maintaining glass enclosure systems requires little effort, another selling point, Hoy says.

"It's basically maintenance-free," he says. "At worst, if we were to develop a little mold or fungus, it's just a matter of going in and power washing it."

As a testament to the aluminum systems' toughness, Dodson notes that pool facilities he has installed have survived tornados in Oklahoma virtually unscathed.

Leave your architect behind?

And here's an added benefit of working with enclosure systems: You probably don't need an architect—even according to an architect.

"You will want a good mechanical engineer, especially one who knows a good HVAC firm, but you don't really need an architect," Meus says. Sometimes, a structural engineer can help plot the foundations—a foundation of concrete footings supports glass enclosure systems.

Dodson agrees: "Usually, with commercial or public facilities, our client is represented by an architect, but sometimes they just draw a rectangle around the pool area and say, 'specifications by pool enclosure contractor,'" he says. Architects can be important to protect an owner's interests, and he is always happy to work with them, he's quick to add.

Up with domes

For those without the up-front capital to invest in a greenhouse-type system or who want to retain a truly outdoor pool, inflatable dome structures present an affordable and removable alternative.

Most systems go up (and come down) in just a day, using a powerful gas furnace-type blower system, similar to those used in hot-air balloons. The domes attach to concrete beams laid with metal channels around the perimeter, with the "bubbles" made of high tensile, coated polyester or

vinyl fabrics that can be either opaque or translucent. A continual level of air pressure keeps the domes inflated; revolving doors serve as airlocks to keep pressure constant despite foot traffic. Most dome blower and ventilation systems incorporate air conditioning or heating units to dehumidify and cool or heat the air, depending on the climate.

Underground ducts can be used to ventilate domes, especially the permanent variety, while lighting—either suspended indirect systems or the more basic pole-mounted variety—is usually included in a dome package as well.

And while domes go up for a fraction of the cost of a glass enclosure system, facilities must factor in the higher maintenance and support costs: You can spend up to \$15,000 each season to take down a dome, Dodson says.

Sticks and steel

True enclosure—creating a conventional building—around an existing pool—remains an option as well. This may appeal to users looking for more of an "inside" feel, those seeking unconventional design elements, or those who want to incorporate amenities such as locker rooms or fitness areas, Meus says. Stick-built facilities can use wood (cedar is a popular choice for its water resistance and warm look), glass and steel.

When properly painted with water-resistant paint, steel can hold up to a harsh pool environment—"aluminum could probably last



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hundreds of years, but when you treat it right, steel might last 120 years," says Meus—but count on careful, costly maintenance to make it work. The moisture-resistant paint, which also is used to coat the insides of water towers, can actually cost more than the steel itself, Dodson says, who used to install steel systems and requires an experienced, specially trained painting contractor to handle it.

Mixing air and water

Each method has its advantages and disadvantages, but any enclosure system brings a whole new set of issues to your pool. Turning outside in magnifies water and its aquatic partner, chlorine. The two combined create the twin nemesis of maintenance: humidity and corrosion. To combat them, a powerful—and appropriate—heating, ventilation and cooling system that balances chemistry, comfort and efficiency is a must.

"We always suggest a true dehumidification system," Christie says. The humidity inside a pool structure should be kept to between 50 percent and 60 percent, he says. While the powder-coated aluminum systems are designed to withstand moisture, a high humidity level can bring a swamp of troubles in many other forms, even to the point that it creates fog indoors.

As pool water evaporates, it brings a gaseous form of chlorine into the air, Dodson says. And since chlorine is heavier than air, the chlorine vapors hang most heavily over the water, creating that "pool smell" that lingers right at nose level without proper ventilation. The most effective ducting and ventilation systems push air away from the pool's surface, where most chlorine fumes are suspended, and pull a regular supply of fresh air inside.

Because of this, the ventilation system and its accompanying ductwork should be planned hand in hand with the enclosure. Ideally, ducts should run at ground level to push the most chemical-laden air away from the pool, Meus says, with more air ducts along the ceiling.

Enclosures with retractable roof systems can ease the load on an HVAC system. At the Mission Valley YMCA, for example, dehumidification consists of opening the roof to let in the dry desert air. The roof openings act as effective, adjustable venting systems as well, Dodson adds, where just a few can be opened to maintain a desirable indoor temperature loss.

Additionally, the sunlight entering the polycarbonate roof helps break down the chlorine gases in the air, eliminating the smell associated with indoor facilities, he says.

Which system works for you?

Deciding which system works best for your facility is a matter of number crunching and research. Glass enclosure systems, along with stick-built additions, require a significant amount of capital. It pays to crunch numbers and see if the additional revenue generated would support the initial expense. Next, talk to the people who know best—other recreation facilities that have enclosed their pools with a variety of systems.

By seeing what different enclosure systems offer, and how they work for a facility, you can make the choice that's best for you and take your aquatic program inside.



PHOTO COURTESY OF SUN BUILDING PRODUCTS, INC.
Cypress Creek YMCA in Houston



PHOTO COURTESY OF SUN BUILDING PRODUCTS, INC.
Lake Houston YMCA in Houston