CITY OF FULLERTON
PARKS AND RECREATION COMMISSION
AGENDA
Regular Meeting
City Council Chamber
Monday, July 14, 2008
6:30 p.m.

Public comment will be allowed on items on this Agenda at the time each item is considered.

Persons addressing the Commission shall be limited to 5 minutes, unless an extension of time is granted by the Chairman, subject to approval of the Commission. When any group of persons wishes to address the Commission, it shall be proper for the Chairman to request that a spokesman be chosen to represent the group.

Public comments will also be allowed on items NOT on the agenda, but within the subject matter jurisdiction of the Commission, prior to approval of the Minutes, and will be limited to thirty minutes and not to exceed five minutes per person. No one will be heard twice. Any public comments not received at the beginning of the session may be heard at the end of the session. NO action may be taken on off-agenda items, except as provided by law.

CALL TO ORDER

FLAG SALUTE

ROLL CALL

PUBLIC COMMENT

CONSENT ITEMS (Items 1 - 3) – All matters listed under Consent Calendar are considered routine and will be enacted by one motion. There will be no separate discussion of these items prior to the time of voting on the motion unless members of the Commission, staff or public request specific items be discussed and/or removed from the Consent Calendar for separate action.

*1. MINUTES OF THE JUNE 9, 2008 COMMISSION MEETING
   Recommendation to approve the Minutes of the June 9, 2008 Commission Meeting.

*2. LANDSCAPE DIVISION MONTHLY REPORT FOR JUNE 2008
   Recommendation to receive and file the Landscape Division June 2008 Monthly Report.

*3. BUILDING AND FACILITIES DIVISION MONTHLY REPORTS FOR JUNE 2008
REGULAR BUSINESS (Items 4 – 10)

*4. YOUTH / TEEN PROGRAMS AND MATRIX
   Staff will provide an overview of youth and teen programs in Fullerton provided through the City and other organizations.

*5. IZAAK WALTON LEAGUE MEMORANDUM OF UNDERSTANDING
   Staff is seeking a Commission recommendation of approval of the Izaak Walton Cabin MOU to City Council.

*6. APPROVAL OF LANDSCAPE ARCHITECTS FOR AS-NEEDED SERVICES
   Staff will provide an overview of the as-needed landscape architects program and process.

*7. SPORTS FIELD TURF ANALYSIS - NATURAL TURF VERSUS SYNTHETIC TURF
   Staff is seeking a Commission recommendation to City Council on the selection of turf at Lions Field.

8. REPORT ON CITY COUNCIL AGENDA ITEMS
   • Youth / Teen Programs Overview Presented
   • Spring 2008 Adopt-A-Park Awards Presented
   • Fullerton Community Center Concept Plan Approved

9. DIRECTOR’S UPDATE
   • Capital Improvement Program (CIP) Updates
     ➢ Laguna Lake Grant
     ➢ Gilman Park
     ➢ Tri-City Park
     ➢ Gilbert Park
     ➢ Neighborhood Centers
   • Summer Programs Update
   • July Fourth Event Report

10. COMMISSIONER COMMENTS

Any writings or documents provided to a majority of the Parks and Recreation Commission regarding any item on this agenda will be made available for public inspection at the Parks and Recreation Department front counter at City Hall located at 303 W. Commonwealth Avenue, Fullerton, California during normal business hours. In addition, such writings and documents will be posted on the City’s website at www.ci.fullerton.ca.us.
CALL TO ORDER

Chair Russell called the meeting to order at 6:32 p.m.

FLAG SALUTE

Commissioner Stanford led the flag salute.

ROLL CALL

Present: Shawna Adam, Sueling Chen, Kathleen Dasney, Craig Russell, Kathleen Shanfield (arrived 7:30 p.m.), Nancy Spencer and Scott Stanford

Absent: None

Staff: Parks and Recreation Director Joe Felz, Parks and Recreation Managers Judy Peterson and Dannielle Mauk; Parks Project Manager Hugo Curiel; Recreation Supervisors John Clements and Eloisa Espinoza; Landscape Superintendent Dennis Quinlivan; Building and Facilities Superintendent Lyman Otley, Redevelopment Manager Ramona Castaneda; Redevelopment Project Manager Christina Pilapil

PUBLIC COMMENT

Scott Gilroy, Pooch Park Ad Hoc Committee Member, 1133 Paula Drive, Fullerton - Announced that today, June 9th, marked the first anniversary of the Pooch Park’s opening. He also spoke on the successful Pooch Park First Anniversary Celebration on June 7th, which hosted 18 vendors and approximately 200 attendees. Mr. Gilroy said everyone was thrilled with how the park looked, and he commended the Landscape Division staff for their efforts. He also thanked the Parks and Recreation Commission and the Parks and Recreation Department for their support.

CONSENT ITEMS (Items 1 - 3)

Chair Russell requested a motion to approve the Consent Calendar items. Vice-Chair Dasney MADE A MOTION and Commissioner Spencer SECONDED the motion to approve the Consent Calendar items as written.

AYES: Adam, Chen, Dasney, Russell, Spencer, Stanford
NOES: None
ABSENT: Shanfield

The MOTION PASSED unanimously.
1. MINUTES OF THE MAY 12, 2008 COMMISSION MEETING

Recommendation to approve the Minutes of the May 12, 2008 Commission Meeting.

2. LANDSCAPE DIVISION MONTHLY REPORT FOR MAY 2008

Recommendation to receive and file the Landscape Division May 2008 Monthly Report.

Commissioner Spencer thanked Landscape Superintendent Dennis Quinlivan for a recent tour of Laguna Lake, and said the landscaping and succulent garden were beautiful. There was a discussion about both the look and comfort of the benches at Laguna Lake with Commissioner Spencer saying she saw people sitting on the concrete benches a long time while she and Vice-Chair Dasney thought the metal benches weren't comfortable.

Vice-Chair Dasney asked what style bench would be used at Laguna Lake and Director Felz said the bench style was still in the review stage. Vice-Chair Dasney said she wanted to review Laguna Lake at another time. Commissioner Spencer asked who designed the newly improved area as it was well done, and Director Felz asked Parks Project Manager Hugo Curiel to speak to that. Project Manager Curiel said he and Superintendent Quinlivan worked together with Engineering's input, which was needed due to the steep slope.

Vice-Chair Dasney asked about Gilman Park and the debris there. Superintendent Quinlivan said his crews go out to Gilman Park on a quarterly basis although the last storms did catch them a little by surprise. He said they were aware of the flooding situation and use pitchforks to clear the debris out. Vice-Chair Dasney asked about mosquitoes, and was told Orange County Vector Control keeps on top of the problem pretty well with a map of every pooling area in the City where they treat for mosquitoes. Vice-Chair Dasney commented that the grass and trees at Gilman were nice.

Vice-Chair Dasney asked about Vista Park, and Director Felz said it was in property negotiations. He said the Summit House Restaurant owners want turf down to the railing and the rest would be native plantings. Vice-Chair Dasney said the area around the Gazebo was nice although there was just dirt near the building. Superintendent Quinlivan said Maintenance was working on that area with the sidewalk as the line of demarcation. Director Felz added that there were two view corridors which were maintained and the restaurant owners were happy with the result.

3. BUILDING AND FACILITIES DIVISION MONTHLY REPORTS FOR MAY 2008


Vice-Chair Dasney noted the report Building and Facilities Superintendent Lyman Otley provided to the Commissioners tonight per her request which provided a history of the graffiti removed over five years.

Vice-Chair Dasney asked about the custodial contract and where the current contractor ranked. Superintendent Otley said the current contractor was the highest bidder; he said
Bell Pacific, the new contractor, has had satisfactory and long-term experience in similar cities, and will be on-board July 1. He also said two other bidders weren’t qualified.

Vice-Chair Dasney reported on her visit to Gilman Park, saying the restrooms were not clean and one toilet was not working and, when flushed, the water would come through the other toilet and the floor drain. She noted that at Laguna Lake, while the restroom was dark, the toilets worked fine.

REGULAR BUSINESS (Items 4 – 9)

4. TRI-CITY PARK MASTER PLAN AND COUNTY GRANT
Staff will provide an update on the Master Plan and County grant for Tri-City Park.

Director Felz said the Tri-City Park Master Plan and County Grant agenda item was an information item. He said that the Tri-City Park Authority had received a $200,000 grant to develop a master plan for the park. He said Tri-City Park was worn out due to heavy use, and the County, an original funder of the park, wanted to support the park. Director Felz noted that both supervisors Norby and Campbell support the park, and that they will be meeting tomorrow on the park, and that afterwards he would provide a report to the Commission. He added that the Tri-City Park will be sure to solicit a great deal of public input.

Vice-Chair Dasney asked if past director Ron Molendyk was still involved in Tri-City Park, but Director Felz said that he (Director Felz) was now the City’s representative.

5. CIVIC CENTER / COMMUNITY CENTER CONCEPT PLAN
Staff recommendation that Commission review and recommend to City Council a Civic Center/Community Center concept plan.

Director Felz used a Power Point presentation to provide a history and overview of the Civic Center/Community Center project which includes Amerige Park, the Senior Center, and the Boys and Girls Club.

He showed an overview of the previous concept plan that was presented to Commission and then presented to City Council in May 2007. He noted that Council rejected the plan which proposed two different facilities for the Senior Multi-Service Center and the Boys and Girls Club. He said the City Council didn’t support having two separate facilities although they did listen to and take into consideration user group comments. Staff was re-directed to work on a new Senior Center / Boys and Girls club as part of a new Community Center facility plan. It was noted the Library’s concept plan was approved.

Director Felz said that staff was also asked to look at traffic plans for crossing Commonwealth and for renovating the existing Boys and Girls Club. He added that the bridge-over-Commonwealth concept was not preferred by either the Library or the user groups, plus the costs would have been prohibitive, so this idea was abandoned. Instead, he said the plan is to have a signalized pedestrian crossing mid-block, with a median. In addition, signals at Short Street and Highland Avenue on Commonwealth would stop traffic at those intersections, making for a very safe crossing mid-block.
Although the new joint-use community center would still have a separation at one point between the Boys and Girls Club and the Senior Center, Director Felz said the two sections would work together as part of a community center. Possible new amenities would be a gym and pool as well as a kitchen facility. There would be connections between the two sections with a common entryway and front counter. Parking would be in the back; but the drop-off for the park would have to be redesigned.

Vice Chair Dasney asked if there would be a pullout for dropping off at the street, and Director Felz said the front of the building, with activities going on inside, would be more visible without a drop-off area out front. He asked the Redevelopment staff present whether parking on the street was planned, and Redevelopment Project Manager Christine Pilapil said the design process was not at that stage yet. Director Felz said parking issues could be alleviated through the possible addition of second floor parking at the current senior center lot as well as use of the current employee lot behind City Hall. He noted the City also wanted to ensure there were enough handicapped parking spaces.

Commissioner Spencer expressed concerns that the proposed Center wouldn’t be a community center like Brea’s, but would be two separate facilities composed of the Boys and Girls Club and the Senior Center.

Director Felz said staff and other user representatives toured some successful joint-use community centers including Rancho Cucamonga’s and Mission Viejo’s. He said Rancho Cucamonga’s community center is home to three organizations including the YMCA, the City’s Recreation Department, and their Senior Center. As in Fullerton’s plan, their building has two entrances: one side has a YMCA, which takes up about one-fourth of the community center, and has controlled access. The YMCA is a partner with the City and provides for significant youth and teen programs. The community center has multiple programs as well as a rental program. The senior center has dedicated offices, classrooms, and dining but no controlled access.

Director Felz said because nine months out of the year, the youth don’t start until 2:30 or 3:00 p.m., the seniors would use common spaces like a gym, pool, or technology room, in the morning, and the space is used more efficiently. He noted the seniors could use the gym in the morning, the youth are there during the mid-day, and then there could be adult use in the evening. He said FAST provided a very good document on therapeutic recreation at the proposed pool for seniors, the disabled, and youth, which wouldn’t duplicate Fullerton Aquatics Sports Team (FAST) activities at Independence Park.

Director Felz said a technology room could have shared uses, noting that Rancho Cucamonga’s technology room was very successfully being shared by all user groups. He also noted a large kitchen to accommodate senior lunches which could also be used for rentals or demonstrations.

Director Felz said the proposed concept plan would be submitted to the City Clerk tomorrow (June 10) in an agenda letter for the June 17, 2008 Council meeting with Commissioner comments included.

Director Felz introduced Boys and Girls Club Board Member Dan Kiernan and Executive Director Fred Johnson as well as Senior Club President Tony Amato who were in the audience.
Commissioner Stanford asked about the proposed gym activities and its size. Director Felz said it would be a minimum full-size gym, i.e., have a full basketball court, potentially a two-court layout which would also have a divider and screen out the public for youth security as well as space for rentals.

Commissioner Stanford asked, since taxpayer money would be paying for it, if the community could fully use it. Director Felz said yes, and that the recommendation is for a community center with use by all residents, both adults and youth. Commissioner Stanford recommended having two courts, saying this would enable the City and the community center to support the athletic leagues also rather than it being mostly for the Boys and Girls Club and seniors. Director Felz said that was the intention and that Commissioner Stanford had summarized it nicely.

Commissioner Chen asked about the library portion of the Civic Center plan, and Director Felz said it was moving forward already, with the Library staff and users providing space needs input and involved in more detailed design work. Commissioner Chen asked about any renovation plans for City Hall, and he said there are none planned right now. He also confirmed that Parks and Recreation Department is really only looking at the Community Center portion of the project.

Director Felz said that currently, Parks and Recreation would be the managers for the proposed facility and would have a different type of agreement with the Boys and Girls Club, just as it does currently with the Senior Club. Commissioner Chen brought up the need for a future plan for maintenance, and asked if rentals would cover the maintenance costs.

Commissioner Adam asked about the kitchen, as Director Felz had said a commercial kitchen would be needed for the senior lunches. She asked if it would be duplication of services if the Boys and Girls Club had rentals and would, therefore, need another kitchen. He said staff recognizes that as an issue and was trying to find a good plan to address this concern.

Commissioner Adam asked about the minor league baseball plan and other multiple uses which might create a lot of activity in one location, expressing concern about the lack of parking. Director Felz acknowledged this concern, too, saying this would be addressed and that additional parking alternatives were being looked at.

Commissioner Stanford asked what staff was asking of the Parks and Recreation Commission at tonight’s meeting. Director Felz said Commission is being asked to review and approve the new direction in the concept plan, i.e., a community center model with joint uses of the proposed facility by the two major groups and full access by the entire community for a variety of programs.

Chair Russell asked if a discussion tonight of the pool would be appropriate and Director Felz said the major amenities including pool, gym, and community center should be discussed tonight, so discussing the pool was entirely appropriate.

Commissioner Spencer asked about rentals on the weekend and how that would impact the Boys and Girls Club. Director Felz responded that there was enough of a distinction between the times of uses of the various groups so rentals would be largely workable.
Vice Chair Dasney said if the multiple uses were seen by staff as more beneficial than detrimental, then she would support their plan.

Commissioner Stanford said he supported multiple uses at multiple times; but if the proposed center has portions being labeled the Boys and Girls Club and the Senior Center with the rest of the community trying to squeeze in-between, he would have concerns. Conversely, if the proposed center was really for all the community with partial dedicated use by the two groups, he would support spending $25 million it.

Vice Chair Dasney said no one would probably argue with Commissioner Stanford’s comments, but that she believed it was just a mindset stuck on the labels Boys and Girls Club and Senior Center, not that she wanted the community center only for those two organizations.

Commissioner Adam asked about the two organizations being tenants, and what the rent would be. Director Felz said there was no specific rent in mind, and that one would have to keep the benefits to the community and the historical understanding of their agreements in mind. This would be a new project and a new agreement with any potential tenant.

Chair Russell said he had three issues, and that he wanted to make sure the history on the buildings was clear. He asked for a history lesson on the Boys and Girls Club: Who owned the property, who built it, etc. Director Felz said the Boys and Girls Club was built in 1953 on City property for $120,000 by service clubs such as the Lions Club. There was a 25-year contract in 1966 that ended in 1991 and a 30-year lease for joint use with the City that expired in 2006. The pool was built later in 1961.

Director Felz said the first Senior Center was built in 1962, although the funding source was not clear. The major Senior Center portion was built in 1984 with City funds. The ballpark was built in 1912, the park built in 1932 with WPA funds, and Duane Winters Field renovated in 1988 using City funds.

Chair Russell asked, legally, who owned the structure. Director Felz replied it was the Boys and Girls Club, and confirmed the City would be tearing the Boys and Girls Club’s building down if it tore the building down. He also confirmed that the City property ends at St. Mary’s church. Chair Russell asked about the field, and Director Felz said it’s half St. Mary’s and half the City’s with an agreement whereby St. Mary’s allows Pony Colt to use the field, too. He also confirmed the senior tennis court is the City’s, noting that square footage for parking will almost double by using the tennis court and small ballfield areas. He added the church supports the plan.

Chair Russell said he had some concerns with a pool in a community center. He said that it would incur additional building costs and maintenance and would also not be inviting for rentals such as weddings. He thought a pool would benefit the Boys and Girls Club and seniors more. If voting, he said he would not be supportive of the pool and would give it a low priority although he could be convinced otherwise.

Chair Russell also had concerns about parking even if square footage was doubled. Even then, without the second floor parking, there wouldn’t be enough parking, especially if there was an event at Amerige Park.
Director Felz said an analysis indicated a pool would be beneficial, and that he was confident it would be well-used and complement the FAST pool. Chair Russell said, just as he had requested information from other youth organizations to provide information on their services, he would like to hear from the YMCA that they are fully programming their pool. Director Felz said that was a fair question and that could be the next step staff would take. Chair Russell added he would like to see the gym space increased and the other commissioners agreed.

Commissioner Stanford asked about the Boys and Girls Club getting a facility built whereas the YMCA had to build its own. Director Felz said this question has been discussed with both staff and user groups, and he explained that the Boys and Girls Club provides programming and funding for a largely different (more underprivileged) segment of children and families than the YMCA.

When asked about youth attending the various Boys and Girls Club sites, Boys and Girls Club Executive Director Fred Johnson spoke, saying they use vans to transport older kids (8+ years old) to the Center whereas younger children stay at the schools. He said the programming determines which child goes where, and some would be based on the child’s own preference. He confirmed that the slightly larger gym could do much more.

Chair Russell asked, in a fact-finding mode, if the Commission was trying to come up with a joint-use community center because there were two diverse groups wanting to build on the same property, or if the Boys and Girls Club could be placed elsewhere. Director Felz said because community centers are considered intergenerational and there are two viable groups, one with an old facility, the proposal of joint-use was intentional and not just circumstantial. He added that both organizations specifically prefer this location because of its proximity to the Civic Center and downtown.

He said the City has evolved and is now ready to have a community center rather than specialized buildings in different locations. Chair Russell said the Commission had been pushing for a community center for 10 years and again questioned if this was really the best proposal or just meeting the needs of two existing groups. Director Felz said if one did a survey to find the best site, one would probably end up at the same place. And, when he was referring to the history of separate buildings and uses, he was referring to practices from the 1930’s to 1960’s.

Chair Russell said he wasn’t arguing about that, but didn’t want to just assume joint use with the Boys and Girls Club. Director Felz said that was definitely worth questioning but, if the Boys and Girls Club weren’t at their current site, and the City was considering an after school program, it is likely they would create a partnership with the Boys and Girls Club.

Commissioner Chen said, based on the agenda letter matrix of proposed improvements and costs, it looked like the community center is actually the senior center and the Boys and Girls Club. Director Felz said the spaces were really based on programming but the titles were used for clarification.

Commissioner Chen asked, since the City gave the Independence Park pool to FAST, why it would want to take on another pool. Director Felz said this would not be an abandonment of the existing pool but a complement to this pool. Vice Chair Dasney said
while she was becoming sympathetic with Chair Russell’s viewpoint, that everyone had to remind themselves that those who enjoy the Boys and Girls Club are generally not those who come from homes with pools or can pay for lessons. She said the seniors who would use the pool would be different from those using the YMCA, also.

Commissioner Shanfield said the YMCA is looking for members, and that their pool is not utilized to the maximum. Commissioner Shanfield said Brea is having three pools built, so one should probably look seriously at whether another pool should be built. Vice Chair Dasney agreed the pool should be looked at closely because it does use a lot of square footage, and she could support the Boys and Girls Club utilizing the Independence pool, but would rather not deny the youth the pool at the Boys and Girls Club.

Chair Russell asked for user comments.

Dan Kiernan, Boys and Girls Club Board Member – Said the Club supports joint use because there are limited funds and limited space. He said they want to take care of the kids that really need their help, and that many can’t even afford the $10 yearly fee and are on scholarships. He provided budget information, saying much of it comes from grants and fundraising, and provided demographic information on the youth. He described the programs and how the children come to the center and feel safe which, in turn, reduces problems for the City. He said that the club doesn’t turn anyone away. He said the pool issue should be looked at and understood the commission’s concerns, but felt the pool was really beneficial.

Tony Amato, Senior Club President – Said he was very impressed with the Commission’s questions. He said the seniors support the concept and that all the users have to work together to make do with what limited space they have. He said the seniors and Boys and Girls Club have been good neighbors and have supported each other and will continue to do so.

Dick Waltz, Past President of Senior Club - Said they hope to work out the problems with the Boys and Girls Club and have been trying since 1981 to get a new senior center built.

Commissioner Chen asked about operating hours at the Boys and Girls Club, and Board Member Dan Kiernan replied that it varied according to the time of the year. Executive Director Fred Johnson provided further details about school and summer hours, noting that they are also open later for basketball leagues.

Commissioner Chen asked how they would operate while improvements were being made, and Executive Director Johnson said they could use portables and work around the existing buildings, agreeing that it wouldn’t be easy. Chair Russell asked if staff had received input from the rest of the community and if they knew that others would support it and utilize it like other community centers.

Director Felz noted that the two user groups represent a significant part of the community, plus staff had received feedback over the last 15 years. Chair Russell disagreed that the two user groups represented most of the community. He said that, with other master plans, community input was solicited, and perhaps something could be done like that. Vice Chair Dasney said her information was somewhat anecdotal but she believed about
30% of Brea Community Center’s users were from Fullerton which meant Fullerton could use a community center.

Chair Russell clarified he was just asking for a mechanism to get input, and Director Felz said that was a very valid request, and that will be done. Commissioner Spencer asked about duplicating the YMCA, and Director Felz said the Y had a different target group and was a faith-based organization. Commissioner Spencer asked for clarification on what the Commission was voting on, and Director Felz said they were to vote on the staff recommendation for a single community center facility that would also serve as the home for the Boys and Girls Club and senior programs.

Commissioner Stanford said he could support the plan in concept if the community center was really going to be for the community and not just wedged in where the Boys and Girls Club wasn’t. Director Felz agreed, saying there would have to be a serious review of the programming.

Commission Stanford MADE A MOTION to approve the concept of a community center with tenants being the Boys and Girls Club and Senior Club with full community usage. Commissioner Shanfield SECONDED the motion. Chair Russell called for the vote.

AYES: Adam, Chen, Dasney, Russell, Shanfield, Spencer, Stanford
NOES: None
ABSENT: None

The MOTION PASSED unanimously.

Chair Russell thanked the audience for attending.

6. OVERVIEW OF PROPOSED NO-SMOKING AREAS IN PARKS

Besides the agenda letter with color aerials of all the City parks with smoking and no-smoking areas outlined in red, Director Felz provided a Power Point presentation of sample park types and how the proposed no-smoking ordinance might apply:

Grissom Park – Would have only a small portion that is non-smoking due to passive areas and no organized activities.

Hillcrest Park – Because of being heavily wooded, many areas may be non-smoking.

Independence Park – Due to large open areas, there would be some turf areas where smoking is allowed.

Lemon Park and Maple Center – Smoking would be allowed in the parking lot and one small area of the park away from play areas and fields.

Mountain View Park – Smoking would be allowed in passive areas.

Commissioner Shanfield asked if it wouldn’t be easier and save on signage if smokers were told they could only smoke in the parking lot. Chair Russell said some smokers might believe their rights were being stepped on if they were relegated to smoking only in parking lots.
Vice-Chair Dasney asked about Lion’s Field, noting that there could be a lot of people on blankets watching the younger players’ games near the fields who might be exposed to smokers standing 25 feet from the fields. Commissioner Stanford said the younger players and the field space they use are smaller than the official playing fields so it might not be a problem. Director Felz said the whole area might be declared an athletic field.

Vice-Chair Dasney asked about restoration plans for the playgrounds at Laguna Lake; Director Felz said there weren’t any current plans. She then asked about the trash cans with ash trays near picnic benches since the proposed ordinance would prohibit smoking near picnic areas. Director Felz said they will move those receptacles away from the picnic benches once a no-smoking ordinance has gone into effect. Chair Russell thanked staff for their work and Director Felz thanked the Commission for helping to clarify the issue.

Commissioner Shanfield said there was still nothing in the no-smoking information about the dog park, so Director Felz invited the pooch park representatives in the audience to speak on the matter.

Bill Stefanski, President of the Pooch Park Ad Hoc Committee, said the dog park wasn’t designated as any kind of athletic field. However, he said the advisory board unanimously voted for a no-smoking ban because of secondhand smoke affecting both humans and dogs, poisoning possibilities from cigarette butts, and a higher risk of cancer.

Chair Russell suggested Mr. Stefanski return to the Commission meeting in August. He also asked if the Pooch Park committee, being a City tenant, could vote on the park being no-smoking. Director Felz said the advisory board reports to the Commission and it isn’t a formal tenant, but staff could look into the possibility of a formal no-smoking vote from the Pooch Park committee.

Vice-Chair Dasney asked about getting an update at a later date on the Pooch Park movement towards permanency, and was told staff could provide that. Vice-Chair Dasney and Commissioner Shanfield commended the Pooch Park Ad Hoc Committee for its very successful first anniversary event.

Chair Russell commented on Pooch Park and smoking, saying the park would have to be an exception and he didn’t like exceptions. He noted that Parks and Recreation allows Little League to enforce non-smoking and asked why Pooch Park couldn’t be set up as a similar user group. Director Felz said staff could take Commission’s direction on this.

7. REPORT ON CITY COUNCIL AGENDA ITEMS

Director Felz reported on recent City Council agenda items:

- Fullerton Recreational Riders’ Memorandum of Understanding at Laguna Lake Equestrian Center was approved.
- Budget hearings were very successful with Parks and Recreation recommendations accepted with very minor changes.
8. DIRECTOR’S UPDATE

• Community Meetings: The Lemon Park May 27th meeting went well, was not controversial, and there was a discussion on youth programming at Maple Center. Commissioner Stanford asked about future meetings, and Director Felz said he would send e-mails to the Commission.

• Capital Projects Update:
  - Recently completed capital projects include the three neighborhood parks at Adlena, Byerrum and Valencia parks and Laguna Lake Phase II.
  - Current projects with approved plans or under construction include Golfer’s Paradise / University Heights netting, put up at Cal State Fullerton’s expense; Gilbert Community Center; the Tennis Center Pavilion; the Adlena Park wall; Richman Community Center; and Brea Dam facility renovations.
  - Planning phase projects include the Gilman Park playground, Hiltzchler Trail, Lions Field, and Richman Park field lighting. Director Felz noted that there was some controversy on the playground at Gilman Park. He said the neighborhood meeting in December 2007 seemed to indicate consensus, but at a May 7th meeting, there seemed to be more issues. Vice-Chair Dasney asked about the addresses in the recent Gilman Park community meeting notification that were missed and Director Felz explained that five or six of nearly 200 addresses were inadvertently overlooked due to a data selection process that can be somewhat unclear. He said the project is on hold while staff gathers more information on the park including the flooding that occurs there.
  
  Vice Chair Dasney asked if the proposed playground would be out in the small entrance strip or near the two bridges, and Director Felz said it would be closer to the bridges. However, he said the City will try to build equipment that can handle a flood. He noted that a larger issue is that 20 years ago, there was a slope failure, so staff wants to ensure they’ve covered all the bases.

  Chair Russell asked why the issue had to go back to the Commission just because some neighbors made “a fuss” even after it went through proper channels. Director Felz said the short answer was that Council asked staff to review the matter again and bring it back to Commission and then Council. Vice Chair Dasney said she needed a timeline and Director Felz said they would provide the information. She added that the City Manager seemed to be implying that Parks and Recreation wasn’t doing due diligence.

  Commissioner Spencer noted that there always seems to be controversy on notification surrounding each community meeting. She asked what the Gilman controversy was about, and Director Felz said some neighbors don’t want the play area across from their homes.

• A brief report was provided on upcoming summer programs.

• Director Felz noted the spray grounds at Lemon, Adlena and Valencia parks would be open beginning June 16th.
9. COMMISSIONER COMMENTS

Commissioner Spencer asked about the Cal State University Fullerton Richman Community Center grant. Director Felz said staff had met with CSUF and learned they are submitting a new grant and have asked them to attend a Commission meeting.

Commissioner Shanfield asked about the Hillcrest Park Master Plan Committee, and Director Felz replied that Council didn’t accept Commission’s recommendation, thus the City Clerk will be sending out applications. However, he said, a commissioner should submit an application if she wants to serve on the committee. Commissioner Shanfield asked if there would be a conflict of interest in serving on both the Commission and the Hillcrest Park Committee. Director Felz said Commission would have an opportunity to provide input on the process, but that it would still have to go through Council, so there shouldn’t be a conflict of interest.

Commissioner Chen said she, her daughter and her daughter’s friends participated in a Brea Dam campout. She said they had a great time, it was well organized and the bathrooms were clean.

Chair Russell asked about the upcoming summer Commission meetings and whether there would be any cancelled meetings. He said as there would be a quorum at all the meetings and full agendas, he was willing to not miss any meetings. It was agreed that the Commission would not go dark during the summer.

Commissioner Stanford MADE A MOTION and Commissioner Spencer SECONDED the motion to adjourn the meeting. The meeting was adjourned at 9:30 p.m.

Respectfully submitted,

[Signature]

Joe Felz, Director of Parks and Recreation

JF/pf
MEETING DATE: JULY 14, 2008

TO: PARKS AND RECREATION COMMISSION

FROM: DENNIS QUINLIVAN, LANDSCAPE SUPERINTENDENT

SUBJECT: JUNE 2008 LANDSCAPE DIVISION MONTHLY REPORT

PURPOSE

The purpose of this agenda item is to report to the Commission on the status of the Landscape Division’s monthly maintenance activities.

SUMMARY

1. **Tree Division Update** - West Coast Arborists Inc. (WCA) is providing contract tree services to the City for the fiscal year 07/08. As of **June 30, 2008**
   - 12,128 trees have been pruned
   - 515 total trees removed
   - 556 trees have been planted
   - Within the 07/08 fiscal year, West Coast Arborists have successfully pruned 1/3 of the total tree inventory as per plan.

2. **Red Imported Fire Ants** were reported at two locations in June. OCVC began treatment again on October 1, 2004. The City **does not** treat RIFA on private property. Citizens can call the OCVC at (714) 971-2421.

3. The Landscape Division received 24 calls for **bees** in June. The City **does not** eradicate hives on private property, as this is the responsibility of the property owner. The County Agriculture Commissioners Office does not test bees for Africanization after determining that all hives are at least partially Africanized.

4. Landscape staff re-opened the (large dog area) at the Pooch Park June 7. The turf was successfully re-established in the previously worn areas.

5. Staff completed a large scale cleanup of the slope area at Hillcrest Park. The area is adjacent to Valley View. Additional clean up and total park tree pruning are scheduled for upcoming months.
6. Staff installed new trash receptacles at several locations throughout the trail system to accommodate increased usage. Locations included Morelia at Bastanchury, Nora Kuttner at Euclid and on Juanita Cooke at Valley View.

7. Staff removed a large dead oak tree in Hiltser Park.

8. Landscape staff closed Bastanchury Park (soccer field) and Fullerton Sports Complex (Field #3) for annual turf operations. These particular fields will be out of play through mid-July.

9. The Division received 53 landscape related service requests in the month of June.

Dennis Quinlivan
Dennis Quinlivan
Landscape Superintendent
PARKS AND RECREATION COMMISSION
AGENDA

MEETING DATE: JULY 14, 2008

TO: PARKS AND RECREATION COMMISSION
FROM: LYMAN OTLEY, BUILDING AND FACILITY SUPERINTENDENT
SUBJECT: JUNE 2008 BUILDING AND FACILITIES DIVISION MONTHLY REPORT

PURPOSE

The purpose of this agenda item is to report to the Commission on the status of the Building and Facilities Division’s monthly maintenance activities.

SUMMARY

1. Independence Park- The Electricians installed a new 10HP motor for the small pool. The front and rear entry doors for the gym are on order and should be in soon. The rear door on the racquetball court has been replaced.

2. Children’s League Building- The painting the exterior of the building is completed. New rain gutters are also being installed. Engineering is working on plans to upgrade the facility to ADA standards.

3. Lemon Park- The Electricians installed a new 20HP motor at the spray pool and repaired the hasp and lock for the electrical panel on the baseball field.

4. Sports Complex- The Electricians replaced one sump pump that services the snack bar area.

5. Adlena Park, Valencia Park- The pools are both in operation for the summer.

6. A/C Servicing- The Electricians serviced the A/C units and changed filters at: Muckenthaler, Lion’s Rec., Chapman Rec., Hillcrest Rec., Red Cross, Izaak Walton Cabin and the Senior Center.

7. Senior Center- The Electricians assisted the staff in programming the building thermostat settings to help conserve energy. They also changed out the compressor on the ice machine.
8. **Mountain View Park**- Replaced several burnt out lights.

9. **Rolling Hills Park**- The Electricians replaced an electrical conduit that had been damaged and installed two new 400 watt light fixtures to improve the park lighting.

10. **Graffiti Removal Update**- The division removed 61,940 square feet of graffiti at 466 sites in the month of June. Totals year-to-date- 655,260 square feet of graffiti at 4,609 sites. Average response time is 1-2 days.

11. **The Custodial Contract**- Our new contract custodial company, Bell Building Maintenance has taken over servicing our City buildings as of July 1, 2008.

12. **Custodial Inspections**- During the month of June Facilities Specialist Dennis Hittle inspected the following parks facilities and restrooms: Maple Park, Valencia park, Garnet Center, Chapman Rec. Center, Adlena Park, Bastanchury Park, Rec. Rider's, Laguna Lake Park, Hillcrest Rec. and restrooms, Brea Dam, Tennis Center, Fullerton Sports Complex, Nicholas Park, Woodcrest. Details of Dennis findings during these inspections are available on request. In all cases he made up service requests on any needed building repairs and called the custodial company on any issues needing attention.

Prepared by:

________________________
Lyman Otley
Building and Facilities Superintendent
SUMMARY

At the April 14, 2008 Parks and Recreation Commission meeting, staff was asked to provide an overview of youth programs at a future Commission meeting. In addition to this, at a recent City Council meeting, staff was also asked to provide an overview of the youth (ages 5 through 12) and teen (ages 13 and up) programs offered by the Fullerton Parks and Recreation Department that provide alternatives to such negative behaviors as gang and drug involvement.

This agenda letter provides a matrix of available programs. Also included are programs offered by the other three major agencies that provide youth programming in the City of Fullerton: the Fullerton School District, North Orange County YMCA, and Boys and Girls Club of Fullerton.

RECOMMENDATION

That the Parks and Recreation Commission review the information, and receive and file the matrix of programming offered to the youth and teens of Fullerton.

PROPOSED COSTS

None.

DISCUSSION

While the attached matrix identifies programs offered by the City Parks and Recreation Department and our partners, the Boys and Girls Club, Fullerton School District and the YMCA, the following discussion focuses specifically on the City-produced programs. While some details are specific to the City’s programs, much of the following information relates to all agencies providing diversion programs.

There are approximately 13,600 children who attend Fullerton public schools in grades kindergarten through eight. Virtually all children are at some risk of getting involved in undesirable activities, including gang membership and drug use. With recent discussions on the types of activities available for youth and teens, specifically

ITEM #4
regarding programs that relate to gang diversion, the Parks and Recreation Department staff has compiled a matrix on what is offered city-wide.

There are a wide range of activities offered by the Parks and Recreation Department including sports, visual and performing arts, recreation, service-learning and leadership programs. Many of the programs are free and some are fee-based. Programs are offered during the summer, after school, and weekends. Programs focus on prevention, intervention, and identifying youth who have "fallen" through the system and who have not responded to other more traditional approaches to engage them in positive activities.

Programming for teens is challenging and always evolving to keep up with the ever-changing interests of that age group. Available resources and program space are also factors in providing effective programming. While costs are a factor, most programs are free or low-cost, and the Parks and Recreation Department provides scholarships for low-income youth to participate in Department programs.

The attached matrix shows the wide range of programs offered to the community. The programs are geared toward a variety of ages, generally broken into two ranges – 5 to 12 year olds (youth) and 13 to 17 year olds (teens).

In a general sense, all of the programs offered could be considered gang diversion programs because they offer alternatives to participating in undesirable activities. For the purposes of this review, several programs will be profiled as they are the best examples of specific diversion programs, with each offering a different programming approach.

The following have specifically been designed for gang prevention and are free to the participants: Gente Inteligente (Intelligent People), which focuses on intervention and gang prevention; Project Safe, which focuses on using arts programs as a vehicle for getting teens who have not been successful in more traditional programs, and; the Youth Empowerment Program which focuses on intervention using less formal techniques.

**Gente Inteligente (at Garnet Center)**

The goal of Gente Inteligente (Intelligent People) is to engage and motivate students ages 5 to 12 and their families in academic success by providing enriching learning experiences and tutorial support.

Research indicates that one risk factor for younger children becoming involved in negative behaviors is poor performance in school. When students “fall behind,” it is difficult to stay engaged in school activities, and, while oversimplifying a complex issue, the end result is that a student can eventually “give-up” and seek other activities.
This program relies on teachers and administrators at Topaz School to identify, in the earliest stages, students who are having difficulty with their studies. Once identified, school administrators contact City staff at the Garnet Center, who then contact the parents, and work with them to enroll both the student and family in the program.

In the program, students attend regular sessions at the Garnet Center, and work on specific study areas such as reading, writing, and math by using a variety of independent and small group learning activities. Volunteers provide support to City staff and focus on mentoring, character building and academic development. In addition to the more formal elements, the program offers trips to libraries and local college campuses.

Net direct cost of this program: $4010
Number of participants: 90 per year
Funding source: Parks and Recreation Fund
City cost per participant: $45

Project Safe - Art Classes

In this five-week outreach program, a City Museum staff member goes to a different Fullerton Joint Union High School District (FJUHSD) Opportunities School classroom each semester with a lesson in self-portraiture. Students use traditional art materials as well as collage and computer generated images to produce two self-portraits representing different aspects of their personality.

Through this program the museum seeks to introduce art as a safe haven for self-expression for teens who are no longer in comprehensive high school and are at-risk for involvement in unproductive activities. The foundation of this program is that, through self-expression and identify, youth can gain better self-awareness and self-confidence, and that these character building lessons are likely to lead to a more positive self-image. The finished pieces of work are displayed at La Sierra High School or at a Museum Center gallery at the end of each semester. Students receive Fine Arts credit for their work.

Net direct cost of this program: $1,500
Number of participants: 70 annually
Funding source: Grant
City cost per participant: $ 21

Project Safe - Mural Project

This City’s public art program produces at least one large scale public art piece per five-year funding cycle. These pieces are produced by the City with the assistance of a contract artist. To initiate this project, the City’s Public Art Committee solicits proposals for a site-specific public art piece and an appropriate theme. Once the artist and theme are approved, student volunteers
are recruited from at-risk populations to assist with the actual production of the mural.

Students are identified by teachers and other administrators as being “at-risk,” and would benefit from the experiences offered by this program. To announce this program, City staff visit FJUHSD Opportunity classes at Fullerton High School, Troy High School, and Sunny Hills High School, as well as teen after-school programs at the Fullerton Boys and Girls Club. The current project, nearing completion, involves students from Fullerton High School, Sonora High School, and the Crittenton Social Services. This project was originally part of the City/Museum’s involvement with Project CUFFS (with Fullerton Joint Union High School District). To date, nine murals have been created with the help of at-risk teens.

Net direct cost of this program: $3,700  
Number of participants: 7 - 20  
Funding source: Grant  
City cost per participant: $265 average

Youth Empowerment Program

The Youth Empowerment Program serves 5th through 12th grade youth and their families, using a combination of outreach, recreation, educational workshops, and individualized guidance. Participants are identified in a much less formal manner than the other programs being discussed. Specifically, City staff working at Richman Community Center seek out youth who exhibit negative behaviors such as fighting, vandalism, or are showing early signs of gang influences. Staff will make direct contact with parents and enroll the child in one of many activities at the Center.

When enrolled, youth participate in a wide range of social, recreational, and educational activities that help them develop the knowledge, skills, and abilities necessary for successful adulthood. Participants develop leadership, conflict resolution, problem-solving, and goal-setting skills. Mentors and staff meet with the participants’ parents and establish a close relationship. By doing so, parents can be involved in the mentoring relationship. Role models and mentors show young people that they can go to college, have a profession and be successful.

Net cost of this program: $18,350  
Number of participants: 30  
Funding source: HUD Grant  
City cost per participant: $611

As previously noted, included in this report are programs offered by the Fullerton School District, North Orange County YMCA and Boys and Girls Club of Fullerton. All of the organizations have scholarships and/or subsidy programs available for fee-based programs to low-income participants. There are 59 programs included in the matrix.
The goal of all of these programs is to provide youth and teens with safe and positive alternatives to participation in gangs and other undesirable activities.

In summary, this initial report is an attempt to profile the agencies and programs that provide significant "diversion" programming in Fullerton. There are many other agencies that provide youth and teen programs not yet included in the matrix.

An agenda item similar to this one was presented to the City Council on June 17, 2008. As a result of that meeting, the planned next steps include:

- Expand the matrix to include other agencies, partners, and programs;
- Analyze the programs offered to ensure that agencies are offering effective programs, and to eliminate duplication of services;
- Identify potential new collaborations and partnerships, and strengthen existing ones;
- Evaluate new programming elements at Gilbert Community Center and expanded programming elements at Richman Community Center;
- Identify future Maple Community Center renovations and programs;
- Evaluate resources to fill any identified programming gaps, and;
- Print a "youth programming guide" and make it available throughout the City.

It is anticipated that staff will report back to the Commission and the City Council with a more comprehensive report in the fall.

Joe Felz  
Director of Parks and Recreation

Judith Peterson  
Recreation Manager

Attachment: Youth/Teen Program Matrix
YOUTH/TEEN PROGRAM
MATRIX
FOR
FULLERTON PARKS & RECREATION
BOYS & GIRLS CLUB OF FULLERTON
FULLERTON SCHOOL DISTRICT
YMCA OF NORTH ORANGE COUNTY
### CULTURAL & EVENTS DIVISION

<table>
<thead>
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<th>DESCRIPTION / ACTIVITIES</th>
<th>FEES</th>
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<td>Outdoor Farmers Market: Fresh Produce, Food, Kids Activities (Nominal Fee), Live Entertainment, Craft Vendors</td>
<td>Free</td>
<td>All ages</td>
<td>Wilshire Ave (Harbor &amp; Pomona)</td>
<td>Thurs. 4-8:30 pm (April-October)</td>
<td>Ashley Glass 714-738-6545 <a href="mailto:AshleyG@ci.fullerton.ca.us">AshleyG@ci.fullerton.ca.us</a>.</td>
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<td>Fullerton Dog Days of Summer at the Fullerton Market</td>
<td>Dog contests, dog vendors, dog shows, and more</td>
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<td>Wilshire Ave (Harbor &amp; Pomona)</td>
<td>Thurs. August 14, 2008 4 - 8:30 pm</td>
<td>Ashley Glass 714-738-6545 <a href="mailto:AshleyG@ci.fullerton.ca.us">AshleyG@ci.fullerton.ca.us</a>.</td>
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<td>4th of July Community Festival &amp; Fireworks Show&quot;</td>
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<td>Fullerton High School – Football Stadium</td>
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<td>First Night Fullerton</td>
<td>New Years Eve Celebration – Live Entertainment, Activities, Food, Museum Gallery</td>
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<td>All ages</td>
<td>Downtown Fullerton – Harbor, Pomona, and Wilshire</td>
<td>Wed.., Dec. 31, 2008 7pm-12 midnight</td>
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<td>High School</td>
<td>Different FJUHSD schools</td>
<td>Varies – One 5 week program per semester</td>
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<td>8th period Mondays</td>
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### PARKS AND RECREATION

### YOUTH / TEEN PROGRAM MATRIX

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<tr>
<td>Project Discovery School Tours</td>
<td>Guided tours and art activities for school and community groups</td>
<td>Free for Fullerton schools</td>
<td>Grades K - 12</td>
<td>Fullerton Museum Center</td>
<td>Tues., Thurs., Fri. 9:30 – 11am, by appt.</td>
<td>Aimee Aul (714) 738-3136 <a href="mailto:AimeeA@ci.fullerton.ca.us">AimeeA@ci.fullerton.ca.us</a></td>
</tr>
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<td>Guitar Gateways</td>
<td>Semester long guitar class consisting of private lessons, group practice and art. Two 12-wk courses each semester</td>
<td>$180 - Scholarships available.</td>
<td>Grades 6, 7, 8</td>
<td>Fullerton Museum Center</td>
<td>Tues. 3 – 5:30, 4:30 – 6:45pm</td>
<td>Aimee Aul (714) 738-3136 <a href="mailto:AimeeA@ci.fullerton.ca.us">AimeeA@ci.fullerton.ca.us</a></td>
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<td>Exhibit Family Days</td>
<td>Arts, crafts, performances, and activities themed around museum exhibit.</td>
<td>Free with museum admission</td>
<td>All ages</td>
<td>Fullerton Museum Center</td>
<td>Varies with exhibit</td>
<td>Aimee Aul (714) 738-3136 <a href="mailto:AimeeA@ci.fullerton.ca.us">AimeeA@ci.fullerton.ca.us</a></td>
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<td>Concert Craft Booths</td>
<td>Fun, artsy hands-on crafts for kids at the Concerts in the Park</td>
<td>Free</td>
<td>All ages</td>
<td>Fullerton Sports Complex</td>
<td>Weds. July 16 - August 20</td>
<td>Aimee Aul (714) 738-3136 <a href="mailto:AimeeA@ci.fullerton.ca.us">AimeeA@ci.fullerton.ca.us</a></td>
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<td>Garnet After School/Recreation Program</td>
<td>Students receive homework assistance from volunteer tutors in an environment safe from negative family and neighborhood influences.</td>
<td>Free</td>
<td>5-13 yrs.</td>
<td>Garnet Community Center 3012 Garnet Lane</td>
<td>Mon. – Fri. 2 – 4 p.m.</td>
<td>Eddie Burciaga or Kevin Mo-Wong (714) 996-2574 <a href="mailto:EddieB@ci.fullerton.ca.us">EddieB@ci.fullerton.ca.us</a></td>
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<td>“Gente Intelligente”</td>
<td>Students and their families are motivated towards academic success through enriching learning experiences and tutorial support.</td>
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<td>5-13 yrs.</td>
<td>Garnet Community Center</td>
<td>Mon. – Fri. 1 – 5 p.m.</td>
<td>Eddie Burciaga or Wendy Newman (714) 996-2574 <a href="mailto:EddieB@ci.fullerton.ca.us">EddieB@ci.fullerton.ca.us</a></td>
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<td>Garnet Teen Center</td>
<td>A safe location for teens, lacking positive influences at home, to interact with staff and volunteers who act as positive role models and mentors.</td>
<td>Free</td>
<td>12 – 17 yrs.</td>
<td>Garnet Community Center</td>
<td>Mon. – Fri. 3 – 7 p.m.</td>
<td>Eddie Burciaga or Matt Anderson (714) 996-2574 <a href="mailto:EddieB@ci.fullerton.ca.us">EddieB@ci.fullerton.ca.us</a></td>
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<tr>
<td>Garnet Summer Recreation</td>
<td>Safe, supervised recreation and art activities for neighborhood youth.</td>
<td>Free</td>
<td>5 – 13 yrs.</td>
<td>Garnet Community Center</td>
<td>June – August 12 p.m. – 5 p.m.</td>
<td>Eddie Burciaga (714) 996-2574 <a href="mailto:EddieB@ci.fullerton.ca.us">EddieB@ci.fullerton.ca.us</a></td>
</tr>
<tr>
<td>“Youth in Action” Teen Leadership Program</td>
<td>A unique leadership program designed to build and develop decision-making skills through group activities, community service projects, leadership camps, special events and excursions.</td>
<td>Free</td>
<td>10 – 18 yrs.</td>
<td>Richman Community Center</td>
<td>Mon. &amp; Thurs. 5 – 8 pm</td>
<td>Elvia Rubalcava-Taylor (714) 738-2884 <a href="mailto:ElviaR@ci.fullerton.ca.us">ElviaR@ci.fullerton.ca.us</a></td>
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<tr>
<td>Arts &amp; Enrichment Programs</td>
<td>A variety of enriching activities for teens, providing an outlet for creative individual expression.</td>
<td>Free</td>
<td>12 - 18 yrs.</td>
<td>Richman Community Center</td>
<td>Wed. &amp; Fri. 5– 6:30 pm</td>
<td>Luis Borja <a href="mailto:LuisB@ci.fullerton.ca.us">LuisB@ci.fullerton.ca.us</a> or Elvia Rubalcava-Taylor <a href="mailto:ElviaR@ci.fullerton.ca.us">ElviaR@ci.fullerton.ca.us</a> 738-2884</td>
</tr>
<tr>
<td>Youth Empowerment Program</td>
<td>A development program for youth in grades 5 – 12 and their families, using a combination of outreach, recreation, educational workshops, and individualized guidance.</td>
<td>Free</td>
<td>7 – 14 yrs.</td>
<td>Richman Community Center</td>
<td>Wed. 4 – 6 pm</td>
<td>Luis Borja <a href="mailto:LuisB@ci.fullerton.ca.us">LuisB@ci.fullerton.ca.us</a> or Elvia Rubalcava-Taylor <a href="mailto:ElviaR@ci.fullerton.ca.us">ElviaR@ci.fullerton.ca.us</a> (714) 738-2884</td>
</tr>
<tr>
<td>“Playgrounds on the Go!”</td>
<td>Recreational enrichment program includes a variety of organized outdoor games, arts, crafts &amp; enrichment projects, excursions, and special events.</td>
<td>Free</td>
<td>5 – 12 yrs.</td>
<td>Richman Community Center</td>
<td>School Year: Mon., Tues., Thurs., Fri., 2:30 – 6 pm, Wed., 12 – 6 pm</td>
<td>Luis Ramirez 738-2884 <a href="mailto:LuisR@ci.fullerton.ca.us">LuisR@ci.fullerton.ca.us</a></td>
</tr>
<tr>
<td>Reading Circle</td>
<td>Literacy enrichment program provides youth with weekly storytelling and comprehension activities.</td>
<td>Free</td>
<td>6 - 12 yrs.</td>
<td>Richman Community Center</td>
<td>Tues. 4:30 – 6 pm</td>
<td>Rosemary Castro 738-3146 <a href="mailto:RosemaryC@ci.fullerton.ca.us">RosemaryC@ci.fullerton.ca.us</a></td>
</tr>
<tr>
<td>“Teen Scene” Drop-in Recreation Program</td>
<td>Recreational opportunities for teens to get active or “just hang out” with friends in a safe, supervised environment..</td>
<td>One-time $20 fee</td>
<td>11 – 15 yrs.</td>
<td>Independence Park</td>
<td>Mon. – Fri. 2:30 – 5 pm</td>
<td>Rayda Jaber 738-6585 <a href="mailto:RaydaJ@ci.fullerton.ca.us">RaydaJ@ci.fullerton.ca.us</a></td>
</tr>
<tr>
<td>“Teen Action Alliance”</td>
<td>A community service program providing teens with an opportunity to experience the rewards community involvement.</td>
<td>Free</td>
<td>12 – 16 yrs.</td>
<td>Independence Park, Richman and Garnet community centers</td>
<td>Wed. 6 – 8 pm</td>
<td>Rayda Jaber 738-6585 <a href="mailto:RaydaJ@ci.fullerton.ca.us">RaydaJ@ci.fullerton.ca.us</a></td>
</tr>
<tr>
<td>“P.L.A.Y. “ Playground Leaders Assisting Youth)</td>
<td>A “service-learning” program designed to build and develop the leadership skills needed to become an exceptional peer leader and mentor.</td>
<td>Free</td>
<td>12 – 16 yrs.</td>
<td>Year-Round: Maple, Richman, and Orangethorpe comm. ctrs. Summer Only: Chapman, Gilbert, and Hillcrest parks</td>
<td>School-Year: Mon. – Fri. 2:30 – 6 pm Summer: Mon. – Fri. 12 – 6 pm</td>
<td>Rayda Jaber 738-6585 <a href="mailto:RaydaJ@ci.fullerton.ca.us">RaydaJ@ci.fullerton.ca.us</a></td>
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<tr>
<td>“Summer Playgrounds”</td>
<td>8-week recreational enrichment program with a variety of organized outdoor games, arts, crafts &amp; enrichment projects, excursions, and special events.</td>
<td>Free</td>
<td>5 – 12 yrs.</td>
<td>Chapman, Gilbert, Hillcrest, Lemon, Orangethorpe, &amp; Richman parks</td>
<td>Summer: Fri., 12 – 4 pm</td>
<td>Rayda Jaber 738-6585 <a href="mailto:RaydaJ@ci.fullerton.ca.us">RaydaJ@ci.fullerton.ca.us</a></td>
</tr>
<tr>
<td>Camp Hillcrest</td>
<td>A seasonal day camp providing a variety of themed activities including exclusive arts, crafts, &amp; enrichment projects, outdoor activities, and theme park excursions.</td>
<td>$120/wk 10 – 4:00 $180/wk – 7:30 – 6:00</td>
<td>5 - 12 yrs.</td>
<td>Hillcrest Park</td>
<td>Seasonal: Monday - Friday, 7:30 am – 6 pm</td>
<td>Rayda Jaber 738-6585 <a href="mailto:RaydaJ@ci.fullerton.ca.us">RaydaJ@ci.fullerton.ca.us</a></td>
</tr>
<tr>
<td>After School Education and Safety Program</td>
<td>Enrichment program serving over 250 children daily by providing snack, homework assistance, educational enrichment, and outdoor recreational activities.</td>
<td>Free</td>
<td>5 – 12 yrs.</td>
<td>Maple Community and Orangethorpe Recreation centers</td>
<td>Mon., Tues., Thurs., Fri., 2:30 – 6 pm, Weds. 12 – 6 pm</td>
<td>Rayda Jaber 738-6585 <a href="mailto:RaydaJ@ci.fullerton.ca.us">RaydaJ@ci.fullerton.ca.us</a></td>
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<tr>
<td>Conflict Resolution</td>
<td>Staff provides mediation services to community members and makes referrals to social service organizations if needed.</td>
<td>Free</td>
<td>All Ages</td>
<td>Richman Community Center</td>
<td>Mon. – Fri. As Needed</td>
<td>Rosemary Castro 738-3146 <a href="mailto:RosemaryC@ci.fullerton.ca.us">RosemaryC@ci.fullerton.ca.us</a></td>
</tr>
<tr>
<td>Tennis Center Classes</td>
<td>Tennis instruction for both children and adults.</td>
<td>Fees from $55 to $160</td>
<td>Ages 4 to Adult</td>
<td>Tennis Center</td>
<td>Mon. – Sun. Hours vary acc. to class and court times</td>
<td>Dave Mann 773-5750 <a href="mailto:DaveM@ci.fullerton.ca.us">DaveM@ci.fullerton.ca.us</a></td>
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<tr>
<td>Contract Classes</td>
<td>Wide variety of classes including sports, fitness, health, academic, finance, arts, pet, and outdoor education. Also on-line courses in computers, digital photography, test prep, and web design.</td>
<td>Fees vary according to class</td>
<td>All Ages</td>
<td>Multiple sites in and near Fullerton</td>
<td>Hours vary according to class</td>
<td>Grace Carroll Lowe 738-6584 <a href="mailto:GraceC@ci.fullerton.ca.us">GraceC@ci.fullerton.ca.us</a></td>
</tr>
<tr>
<td>Parks &amp; Recreation Facilities and Properties</td>
<td>Facilities permitted and leased at no- or low cost to non-profit organizations providing recreational and cultural opportunities for the community as well as human services such as counseling, child care and health services.</td>
<td>Fees vary according to the service provided.</td>
<td>All Ages</td>
<td>Janet Evans Swim Complex, 3 Boys and Girls Club sites, Child Guidance Center, YMCA, Muckenthaler Cultural Center, Equestrian Center, St. Jude Clinic at Richman Park, various City parks and athletic and school fields.</td>
<td>Hours vary according to organization</td>
<td>Alice Loya 738-6587 <a href="mailto:AliceL@ci.fullerton.ca.us">AliceL@ci.fullerton.ca.us</a></td>
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<tr>
<td>Boys &amp; Girls Clubs of Fullerton After School Programs (General Overview)</td>
<td>Boys &amp; Girls Clubs of Fullerton</td>
<td>Mission: To inspire and enable youth to realize their full potential as caring, productive, responsible citizens; accomplished through character-building curriculum-based programs, i.e. SMART Moves, Torch Club, Keystone Club, &amp; recreational leagues, i.e. Jr. Biddy Basketball, Rookie League Baseball, &amp; Cheerleading</td>
<td>$10/year</td>
<td>5-18 yrs.</td>
<td>Commonwealth: 348 W. Commonwealth; Richman: 410 S. Richman; Valencia Park: 2435 W. Valencia; Commonwealth School: 2200 E. Commonwealth</td>
<td>After School until 6:00 p.m.</td>
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<tr>
<td>Torch Club</td>
<td>Boys &amp; Girls Clubs of Fullerton</td>
<td>Torch Clubs are charter small-group leadership and service clubs for boys and girls ages 11-13. A Torch Club is a powerful vehicle through which Club staff can help meet the special character development needs of younger adolescents at a critical stage in their development. Torch Club members learn to elect officers and work together to implement activities in four areas: service to Club and community, education, health and fitness, and social recreation. Included in $10 annual membership.</td>
<td></td>
<td>11-13 yrs.</td>
<td>Commonwealth: 348 W. Commonwealth; Richman: 410 S. Richman; Valencia Park: 2435 W. Valencia; Commonwealth School: 2200 E. Commonwealth</td>
<td>After School until 6:00 p.m.</td>
</tr>
<tr>
<td>Keystone Club</td>
<td>Boys &amp; Girls Clubs of Fullerton</td>
<td>Keystoning is the Boys &amp; Girls Club Movement’s most dynamic teen program. Keystone Clubs are chartered leadership and service clubs for boys and girls ages 14-18. Keystoners elect officers and implement activities in six areas: service to Club and community, character and leadership development, education and career exploration, unity, free enterprise and social recreation. Keystone Club members and their advisors can be nominated to steering committees that organize regional and national Keystone Conferences attended by thousands of Keystoners each year. Keystone Club Awards are bestowed annually on Keystone Clubs that implement programs and activities that best promote the Keystoning principles. Each year, Keystoners develop a National Keystone Project. The combined action of hundreds of local Keystone Clubs results in a service project with a national scope. Included in $10 annual membership.</td>
<td></td>
<td>14-18 yrs.</td>
<td>Commonwealth: 348 W. Commonwealth</td>
<td>After School until 6 p.m.</td>
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<td>Program</td>
<td>Organisation</td>
<td>Description</td>
<td>Details</td>
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<tr>
<td>SMART Moves</td>
<td>Boys &amp; Girls Clubs of Fullerton</td>
<td>This nationally acclaimed comprehensive prevention program helps young people resist alcohol, tobacco and other drug use, as well as premature sexual activity. SMART Moves features engaging, interactive, small-group activities that increase participants’ peer support, enhance their life skills, build their resiliency and strengthen their leadership skills. This year-round program encourages collaborations among Club staff, youth, parents and representatives from other community organizations. The program’s components are: SMART Kids, for ages 6-9; Start SMART, for ages 10-12; Stay SMART, for ages 13-15; and SMART Parents.</td>
<td>Included in $10 annual membership.</td>
<td>Elvin Campbell, Director of Operations, 714-871-1391 ext. 1010, <a href="mailto:ecampbell@boysgirlsfullerton.com">ecampbell@boysgirlsfullerton.com</a></td>
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<tr>
<td>Rookie League</td>
<td>Boys &amp; Girls Clubs of Fullerton</td>
<td>This program provides a safer version of live-pitch baseball for players ages 12 and younger. The program uses a live pitching machine instead of a live pitcher, eliminating arm injuries among pitchers and reducing the number of players who are hit by errant pitches. Up to 60 Club sites are selected annually through an application process that starts in late fall.</td>
<td>Included in $10 annual membership.</td>
<td>Eddie Hernandez, Branch Director, 714-871-1391 ext. 1008, <a href="mailto:ehernandez@boysgirlsfullerton.com">ehernandez@boysgirlsfullerton.com</a></td>
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<tr>
<td>Jr. NBA/Jr. WNBA Biddy Basketball</td>
<td>Boys &amp; Girls Clubs of Fullerton</td>
<td>This program supports and enhances the quality of Boys &amp; Girls Club youth basketball leagues, with high-quality, free resources for youth, parents, volunteer coaches and league administrators. Designed for youth ages 6-14, Jr. NBA/Jr. WNBA has an “All-Star” component through which 10 boys and girls demonstrating the highest levels of leadership, sportsmanship and scholarship are selected from thousands of local level honorees.</td>
<td>$60 seasonal fee includes uniform, official referees, trophies</td>
<td>Eliwood Brown, Athletics Coordinator, 714-871-1391 ext. 1012, <a href="mailto:ebrown@boysgirlsfullerton.com">ebrown@boysgirlsfullerton.com</a></td>
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<tr>
<td><strong>Kid Zone</strong></td>
<td>Fullerton School District</td>
<td>Fee Based Before and After School childcare. The purpose of programs for school-age children is to provide extended enrichment opportunities. Recreation and education activities are designed to have carryover value that provide intrinsic protective factors and support the development of resiliency skills. Through active participation children will learn to make appropriate choices during their leisure time. The goal of the program is to expand the learning environment and link activities to areas of study at school. This provides opportunities for relationships to develop between what is learned and how to apply that knowledge, in addition to, developing individual interests. A rich curriculum filled with exciting activities that includes art, cooking, drama, language arts, math, music, science, social studies and physical education is part of the daily schedule.</td>
<td>$100 before school $288-$375 After School</td>
<td>K-6th</td>
<td>Acacia Beechwood Fern Drive Hermosa Robert C. Fisler Rolling Hills Sunset Lane</td>
<td>Monday-Friday 6:30-8:00 11:30-6:00 p.m. School year calendar</td>
</tr>
<tr>
<td><strong>Summer Camp</strong></td>
<td>Fullerton School District</td>
<td>Abundant opportunities to imagine, investigate, explore, discover, and create. Travel around the world, become a Sport's Star, Survive a Safari, discover the amazing world around us, celebrate your Very, Merry Unbirthday, learn the hula at a Hawaiian luau, ride alongside the Knights of the Roundtable, and develop the artist in you. Games, crafts, contests, special events, sports, field trips.</td>
<td>$175/week 1st-6th</td>
<td>Hermosa Drive</td>
<td>June 16-August 15 7:00 a.m. to 6:00 p.m. School Calendar</td>
<td>Monique Bosse 714 447-2858 <a href="mailto:Monique_bosse@fsd.k12.ca.us">Monique_bosse@fsd.k12.ca.us</a></td>
</tr>
<tr>
<td><strong>After School Education &amp; Safety Program</strong></td>
<td>Fullerton School District</td>
<td>The After School Programs are created through partnerships between schools and local community resources to provide literacy, academic enrichment, and safe, constructive alternatives for students in grades K-8. The program is aligned with the California Department of Education Content standards and creates extended learning opportunities. An educational and literacy element provides homework assistance designed to help students meet state standards. The educational enrichment element offers an array of additional services, programs, and activities that reinforce and complement the school's academic program. Educational enrichment includes positive youth development strategies, recreation and prevention activities such as the visual and performing arts, music, physical education, health/nutrition promotion, and general recreation experiences.</td>
<td>Free Grant Funded</td>
<td>K-6th</td>
<td>Commonwealth Ladera Vista Maple Nicolas Orangethorpe Pacific drive Raymond Richman Woodcrest Valencia Park</td>
<td>August 28-June 11 School Calendar</td>
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<tr>
<td>Program</td>
<td>District</td>
<td>Services</td>
<td>Fee</td>
<td>Grade(s)</td>
<td>School</td>
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<tr>
<td>Summer Camp</td>
<td>Fullerton School District Child Care Services</td>
<td>Summer childcare services, field trips</td>
<td>$175/week</td>
<td>Children entering 1st – 6th grade in Fall 2008</td>
<td>Hermosa Drive School</td>
<td>June 16 – August 15, M-F 7:00 a.m. – 6:00 p.m.</td>
</tr>
<tr>
<td>Special Education Summer School Program</td>
<td>Fullerton School District Student Support Services</td>
<td>Summer Program for Special Education Students</td>
<td>No Charge</td>
<td>K-8th grade</td>
<td>Woodcrest School</td>
<td>June 23 – July 18, M-F 8:00 a.m. – 12:30 p.m.</td>
</tr>
<tr>
<td>All the Arts for All the Kids Summer Program</td>
<td>Fullerton School District All the Arts for All the Kids Foundation</td>
<td>Summer Arts Program and Arts LAB (Learning Activities Bus)</td>
<td>$175/week, $150 last week due to July 4th Holiday</td>
<td>K-8th grade</td>
<td>Golden Hill School</td>
<td>June 16 – July 3, M-F 8:30 a.m. – 12:00 p.m.</td>
</tr>
<tr>
<td>Marching Band Program</td>
<td>Fullerton School District All the Arts for All the Kids Foundation</td>
<td>Summer Band enrichment program</td>
<td>No Charge</td>
<td>7th &amp; 8th grade</td>
<td>Nicolas Junior High School</td>
<td>June 18 – July 4 (yes, the perform on July 4) Mornings</td>
</tr>
<tr>
<td>Sports Camp</td>
<td>Fullerton School District Parks Junior High School</td>
<td>Summer sports program</td>
<td>$150/week</td>
<td>K-8th grade</td>
<td>Parks Junior High School</td>
<td>June 16 – July 18, M-F 8:00 a.m. – 12 noon</td>
</tr>
<tr>
<td>Regular Education Summer School Program</td>
<td>Fullerton School District Assistant to the Superintendent</td>
<td>Summer intervention educational program</td>
<td>No Charge</td>
<td>K-8th grade</td>
<td>Elementary - Orangethorpe and Raymond Schools; Junior High - Nicolas Junior High</td>
<td>June 23 – July 17, M-Th various times</td>
</tr>
<tr>
<td>Math Academy Program</td>
<td>Fullerton School District Educational Services</td>
<td>Summer math program</td>
<td>No Charge</td>
<td>5th – 8th grade</td>
<td>Ladera Vista Junior High School</td>
<td>Students June 30 – July 10, M-Th 9:00 a.m. – 11:30 a.m.</td>
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## YOUTH/TEEN PROGRAM MATRIX

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<thead>
<tr>
<th>PROGRAM NAME</th>
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<tbody>
<tr>
<td>Youth Achievers-</td>
<td>North Orange County Family YMCA</td>
<td>The North Orange County YMCA Youth Achievers program is an after school enrichment program that provides activities including, but not limited to, academic assistance, personal life skills development, violence and substance abuse prevention, arts and humanities, culture, health and fitness, leadership development, career awareness, college preparation, diversity education and community service projects. The purpose of Youth Achievers is to provide a safe, positive environment and structured activities during non-school hours for youth who would otherwise be alone or unsupervised in the neighborhood. Youth Achievers targets underserved, under-represented, youth in high-risk areas. Youth Achievers increases youth assets including school achievement, community involvement, pro-social attitudes and positive relationships in order to decrease the chance of their involvement in risky behaviors including drugs, gangs, teen pregnancy and school failure. Research shows that academic performance increases in students who have strong life skills, are physically active, have knowledge about and interest in higher education, and participate in service learning activities. Youth Achievers program provides activities and learning opportunities in these areas. In addition, all YMCA Programs focus on the Six Pillars of Character: Caring, Respect, Trustworthiness, Fairness, Citizenship and Responsibility, and build the key 40 Development Assets as documented by the Search Institute.</td>
<td>Free</td>
<td>1st – 8th Grades</td>
<td>Richman Center 320 W. Elm Street Fullerton 92833</td>
<td>M,T,TH,F 2:30 – 5:30 W 12:30 – 3:30pm</td>
<td>Graecia Ramos 714-614-2039 <a href="mailto:gramos@ymcaoc.net">gramos@ymcaoc.net</a></td>
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<td>Richman Center</td>
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<tr>
<td>Youth Sports</td>
<td>North Orange County Family YMCA</td>
<td>The YMCA of Orange County is dedicated to providing Youth sports programs that promote skill development, healthy lifestyles, positive sportsmanship, safety and most of all fun!. Come for the game, stay for the fun and friends!</td>
<td>Varies</td>
<td>Varies 3 – 14yrs</td>
<td>Varies-Local parks, NOC Family YMCA, Schools</td>
<td>Varies Mon. – Sat.</td>
<td>Meggan Brunette 714-879-9622 <a href="mailto:mbrunette@ymcaoc.net">mbrunette@ymcaoc.net</a></td>
</tr>
<tr>
<td>Y-Guides/Princesses</td>
<td>North Orange County Family YMCA</td>
<td>Participants in the Y-Guides and Princesses program are organized into tribes that are designed to have parents and their children spend one-on-one time with each other. Tribal activities include meetings, events and outings and campouts that build skills, character, and create life-long memories together.</td>
<td>$40 per participant</td>
<td>K-4th</td>
<td>Various locations sign up at No. OC Family YMCA 2000 Youth Way Fullerton CA 92835</td>
<td>Varies</td>
<td>Tawnya Moore 714-879-9622 <a href="mailto:tmoore@ymcaoc.net">tmoore@ymcaoc.net</a></td>
</tr>
<tr>
<td><strong>Swim Lessons</strong></td>
<td>North Orange County Family YMCA</td>
<td>The YMCA swim lesson program is based on new and exciting developments in the field of student learning and the sport of swimming. The YMCA focuses on teaching skills with an emphasis on student’s needs. The students take part in exploring different aquatic skills and make discoveries on their own.</td>
<td>$90/$55 Facility member</td>
<td>$130/$75 Community Member</td>
<td>6 months – 14 yrs</td>
<td>North Orange County Family YMCA 2000 Youth Way Fullerton CA 92835</td>
<td>Varies-M-Saturday 10am – 6pm</td>
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<tr>
<td><strong>Swim Team</strong></td>
<td>North Orange County Family YMCA</td>
<td>Novice and Competitive Swim Team allows for youth to develop swimming skills and friendships. An extension of our progressive swim lessons, the novice swim team teaches the proper techniques of the competitive strokes and introduces the basic principles of competitive swimming. Swimmers are taught training principals and strategies necessary for personal development within the competitive swimming environment.</td>
<td>$55 Facility member</td>
<td>$75 community member</td>
<td>5 – 16 yrs</td>
<td>North Orange County Family YMCA 2000 Youth Way Fullerton CA 92835</td>
<td>M/WF 4:45 – 5:45pm 5:30 – 7:00pm</td>
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<tr>
<td><strong>Water Polo</strong></td>
<td>North Orange County Family YMCA</td>
<td>Youth now have a fun, non-competitive place to learn the basics of water polo. Participants learn treading water, passing, and shooting techniques as wells as rules and etiquette. New classes form monthly</td>
<td>$50 Facility member</td>
<td>$70 community member</td>
<td>5 – 16 yrs</td>
<td>North Orange County Family YMCA 2000 Youth Way Fullerton CA 92835</td>
<td>M/W 7:00 – 8:00pm</td>
</tr>
<tr>
<td><strong>Day Camp</strong></td>
<td>North Orange County Family YMCA</td>
<td>Independence. Pride. Leadership. Just a few of the traits a child will bring home from YMCA Summer Camp. The YMCA invented organized youth camping over 120 years ago. Combining that rich tradition and the modern activity interests of today’s child and teen, YMCA Day Camps provide a complete summer camp package. With our focus on spirit, mind and body, the experience of YMCA of Orange County summer camp goes much deeper than just fun activities. When you choose our day camp program for your child, they’ll benefit greatly from our healthy, positive environment.</td>
<td>$195 per week</td>
<td>1st – 12th grade</td>
<td></td>
<td>Troy High School 2200 E. Dorothy Lane, Fullerton 92831</td>
<td>M-F 7am – 6pm</td>
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<tr>
<td>Fullerton School District After School Programs</td>
<td>North Orange County Family YMCA</td>
<td>This program is offered in various elementary schools in Fullerton. Youth participate in after school programs administered through a partnership between the North Orange County Family YMCA and the Fullerton School District After School Programs. The program offers academic support and enrichment character education, service learning, international perspectives, art and humanities. Program limited to youth who attend the schools. Call (714) 879-9622 for more information.</td>
<td>Free</td>
<td>K-6th</td>
<td>Elementary Schools: Pacific Drive, Raymond, Richman, Woodcrest</td>
<td>M-F Dismal from school – 6pm</td>
<td>Tawnya Moore 714-879-9622 <a href="mailto:tmoore@ymcaoc.net">tmoore@ymcaoc.net</a></td>
</tr>
<tr>
<td>Kids Zone</td>
<td>North Orange County Family YMCA</td>
<td>Kids Zone is only available for Full Facility Members and is available for parents enjoying Y activities on the Y premises, at no cost. Kids Zone is not just babysitting, it's a learning environment! Your child will be able to choose from many different activities such as art, home living, science, math, and much more! We also offer homework help</td>
<td>Free to Full Facility Members</td>
<td>3 months - 12 years old</td>
<td>North Orange County Family YMCA 2000 Youth Way Fullerton CA 92835</td>
<td>Monday - Thursday 8:00 am - 1 pm Close 1pm - 3:30 pm 3:30 pm - 9 pm Fridays close at 8:30pm 2 hour maximum per stay</td>
<td>Pam Fox 714-879-9622 <a href="mailto:pfox@ymcaoc.net">pfox@ymcaoc.net</a></td>
</tr>
<tr>
<td>Special Events</td>
<td>North Orange County Family YMCA</td>
<td>The North Orange County Family YMCA offers a variety of family events. This is an opportunity for families to meet other families and spend time together.</td>
<td>Varies- mostly free</td>
<td>All</td>
<td>North Orange County Family YMCA 2000 Youth Way Fullerton CA 92835</td>
<td>Varies – Family BBQs Movie Nights Healthy Kids Day And more</td>
<td>Kim Liebert 714-879-9622 <a href="mailto:kliebert@ymcaoc.net">kliebert@ymcaoc.net</a></td>
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</table>
SUMMARY

The Parks and Recreation Commission is being asked to review and recommend approval of a Memorandum of Understanding between the Izaak Walton League of America (IWLA) and the City of Fullerton for the Izaak Walton Cabin (IWC) at Hillcrest Park.

RECOMMENDATION

That the Parks and Recreation Commission recommend to the City Council that the Memorandum of Understanding be approved.

PROPOSED COSTS

None.

DISCUSSION

In February 1935, the City and the IWLA entered into an agreement to “facilitate the convenient use by the public of the Izaak Walton Cabin in Hillcrest Park” (see Attachment A: Aerial of Hillcrest Park). In December 1990, the Izaak Walton Cabin was completely destroyed by fire. The cabin was rebuilt by the City of Fullerton and dedicated in June 1998 using City insurance funds of $137,796, Redevelopment Area No.2 (Hillcrest Park Rehabilitation) funds of $19,850 and IWLA pledges and donations of $44,460.

Since the dedication of the cabin in 1998, it has been available for public rental. Due to the remote location of the cabin in Hillcrest Park, and because the park gate closes accessibility to the cabin at dusk each day, a responsible party needs to open and close the cabin for renters. To efficiently facilitate this use, staff found it advantageous to enter into a use agreement with the IWLA in 1999.

The key features/terms of the new MOU are:
• The IWLA is allowed reasonable no-fee use of the cabin for its Boy Scout, Cub Scout and IWLA board meetings.

• The IWLA will receive 40% of public rental fees (see Attachment B: Fee Schedule) in exchange for administering said rentals (showing the cabin for rental, opening/closing on the reservation date, etc.)

• The MOU will be in effect for five years with the City’s option to extend for two one-year terms.

The current use agreement expires this year. As the reservoir construction is now complete and development of the Hillcrest Master Plan progresses, it is anticipated that increased use will occur at the park and also at the Izaak Walton Cabin. For that reason, it is recommended that the City enter into this MOU with the IWLA.

Joe Felz
Director of Parks and Recreation

Grace Miranda Lowe
Recreation Manager

Attachments:  
A: Aerial of Hillcrest Park and Izaak Walton Cabin  
B: Parks and Recreation Fee Schedule for Izaak Walton Cabin
IZAAK WALTON CABIN  
FEE SCHEDULE  
July 2008 – June 2009  
Capacity: Assembly 290 / Dining 135

<table>
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<tr>
<th>USER GROUP</th>
<th>Hourly Rental Fee</th>
<th>Refundable Deposit</th>
<th>Optional Tables/Chairs Flat Fee</th>
<th>Optional Kitchen Flat Fee</th>
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<tr>
<td><strong>Group 1</strong></td>
<td>$28</td>
<td>$150</td>
<td>$30</td>
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<td>Fullerton-based elementary schools, non-profit and recreation-based organizations</td>
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<tr>
<td><strong>Group 2</strong></td>
<td>$28</td>
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<td>Fullerton-based public high schools, community colleges, and public universities</td>
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<td></td>
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<td><strong>Group 3</strong></td>
<td>$33</td>
<td>$150</td>
<td>$30</td>
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<tr>
<td>Fullerton residents</td>
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<td></td>
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<td><strong>Group 4</strong></td>
<td>$33</td>
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<td>$20</td>
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<tr>
<td>Fullerton-based private schools and universities and non-profit competition-based athletic organizations</td>
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<td><strong>Group 5</strong></td>
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<td>Fullerton-based commercial, religious, political groups and professional firms</td>
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<td><strong>Group 6</strong></td>
<td>$48</td>
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<td>Non-Fullerton non-profit civic, service, and religious groups and individuals</td>
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<td><strong>Group 7</strong></td>
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<td>$150</td>
<td>$30</td>
<td>$20</td>
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<td>Non-Fullerton commercial, business, professional firms and political groups</td>
<td></td>
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PARKS AND RECREATION COMMISSION
AGENDA

MEETING DATE: JULY 14, 2008

TO: PARKS AND RECREATION COMMISSION
FROM: JOE FELZ, DIRECTOR OF PARKS AND RECREATION
SUBJECT: APPROVAL OF LANDSCAPE ARCHITECTS FOR AS-NEEDED SERVICES

SUMMARY

The Parks and Recreation Department has requested submittals of qualification (SOQs) from 18 diverse firms for As-Needed Landscape Architecture services. After reviewing the SOQs with Engineering staff members, they were scored and ranked numerically to determine whether their level of service is adequate and appropriate to the City’s needs.

The chosen firms will be notified and invited to enter into an agreement for As-Needed Landscape Architecture services with the City. Staff will then recommend to City Council that these agreements be approved at the August 19, 2008 Council meeting.

RECOMMENDATION

For informational purposes. It is recommended that this report be received and filed.

PROPOSED COSTS

None.

DISCUSSION

The Parks and Recreation Department often needs landscape architects for services such as scoping work for capital improvements, resolving design issues in parks, design on small and medium park projects, or plan check services sometimes needed by the Community Development Department or the Engineering Department. These firms will provide support for the timely completion of park and development projects.

The terms of the agreement are for one year, from August 5, 2008 to August 31, 2009, with an option to extend the agreement for two consecutive one-year terms with mutual agreement by both parties. The firms on the approved list will be invited to provide bids.
agreement by both parties. The firms on the approved list will be invited to provide bids for projects that do not exceed $100,000 in design costs. Larger projects that exceed $100,000 in design costs must be approved by City Council.

Joe Feilz
Director of Parks and Recreation

Hugo Curiel
Parks Project Manager
MEETING DATE: JULY 14, 2008

TO: PARKS AND RECREATION COMMISSION

FROM: JOE FELZ, DIRECTOR OF PARKS AND RECREATION

SUBJECT: SPORTS FIELD TURF ANALYSIS – NATURAL TURF VS. SYNTHETIC TURF

SUMMARY

WEC, the design consultant for the Lions Field renovation, has prepared a Turf Analysis (attached) which illustrates the various aspects of using Natural Sports Turf vs. Artificial Sports Turf. The analysis outlines each application separately and concludes with a comparison. Some of the characteristics that were analyzed in the Turf Analysis are materials, safety, health concerns, maintenance requirements, maintenance costs, environmental considerations, cost, and life expectancy.

RECOMMENDATION

That the Parks and Recreation Commission review the attached analysis, consider input from user groups and staff, and make a recommendation regarding natural turf or synthetic turf for the renovation of Lions Field. Numerous recommendations for Lions Field will be presented to the City Council in late Fall 2008.

PROPOSED COST

The total cost estimate, over twelve years, is $1,876,904 for synthetic turf and $1,422,940 for natural turf. A detailed cost breakdown is available in the Turf Analysis report.

DISCUSSION

City staff and WEC have been working with the two user groups of Lions Field (Fullerton Hills Softball and Pop Warner Football) to determine the most appropriate application of sports turf for the proposed renovation of its fields. Through this process, both user groups have been included to voice the needs of their respective uses. Because the nature of the two sports differ, they have somewhat differing views regarding synthetic and natural turf.
At present, football favors synthetic turf for several reasons. The most significant reason is the constant wear and tear of the turf between the 40-yard lines. Another reason that synthetic turf is favored by football is that it tends to provide a “spring-action” feeling and a sense of speed. Additionally, synthetic turf provides a softer surface to fall on as the G-max rating for this turf tends to be higher than that of natural turf. If synthetic turf is chosen, permanent striping can be installed, garnering some cost and time savings related to paint striping of the football fields.

For the most part, softball does not perceive a significant advantage to synthetic turf on any of the above-mentioned points: field wear and tear areas, spring-action feeling, G-max rating, and permanent striping. Additionally, softball feels that a disadvantage to synthetic turf is the way the ball bounces on synthetic turf.

The visual aesthetics of permanent striping (on synthetic turf) should also be considered. There will be many lines that intersect and encroach from football field to softball field and vice versa. An example of this would be the foul line of a softball field and the goal line of football field that would have similar alignment and be in close proximity. This may potentially be distracting, especially if two lines from different sports are juxtaposed.

Permanent striping would also be visible to surrounding neighborhoods year around and will offer no relief from their presence. In the case of natural turf, the natural green field, when not in use, would offer the surrounding residents some relief from year round, ever-present striping.

It should be noted that while the user groups may have different views regarding synthetic vs. natural turf, they both are flexible and can work successfully with either option.

The attached analysis provides a detailed comparison which will be the basis of the staff presentation at the Commission meeting.

Joe Felz
Director of Parks and Recreation

Attachment: Turf Analysis
Lion's Field Community Park Turf Analysis

June 3, 2008

Prepared for:
The City of Fullerton

Prepared by:
EDAW, Inc.
1420 Kettner Boulevard, Suite 500
San Diego, CA 92101
Lion’s Field Community Park
Turf Analysis

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Turf Analysis

The following analysis compares the difference in cost and benefit between the use of synthetic and natural turf. The criteria used for this analysis include, but are not limited to, raw materials, safety, health concerns, playing experience, and the environmental impact for each alternative. The goal of this analysis is to present the positive and negative aspects of each alternative to allow the City of Fullerton to make an informed decision concerning the playing surface at Lion’s Field.

The analysis includes an explanation of each alternative and its constituent parts, and a cost/benefit analysis comparing the cost and value of synthetic and natural turf. While there are over 30 major synthetic turf manufacturers in the United States and Canada, this study will use the industry standard, FieldTurf®, TifSport®, the natural turf industry standard, will also be used for this analysis.

A. Product Information

1.0 Synthetic Turf

Synthetic turf is a manufactured playing surface composed of three main components: turf fiber, infill material, and rubber backing. For this analysis, we have chosen to evaluate FieldTurf®, the industry’s leading synthetic turf system. FieldTurf® currently has installations in 40 countries, has 68% of the synthetic turf market share, and has over 4 million square feet of synthetic turf installed in southern California alone. The manufacturer offers an 8 year warranty to guard against premature wearing and manufacturing defects.

1.1 Materials
1.1.1 Turf Fibers

The turf fibers consist of continuously extruded mono-filament polyethylene fiber. The “continuous extrusion” process produces a product resistant to fading and tearing and a fiber that has about the same abrasion index as natural grass.

The turf fibers are stitched to a rubber mat and arrive on rolls of varying widths. During the installation process, the turf is unrolled and sewn together. Construction adhesive is also used to ensure a quality bond.

1.1.2 Infill/Ballast

Infill or ballast refers to the material used to fill the voids between the turf fiber and is responsible for controlling the longevity and playing experience of any synthetic turf surface. The pelletized rubber used as part of the infill system is typically black and can
add to heat-gain on the field. Alternatively, EPDM (manufactured colored rubber) is available, but can add as much as $80,000\textsuperscript{1} to the cost of a single football field.

FieldTurf\textsuperscript{®} uses a cryogenic rubber grinding process to ensure the pelletized rubber has smooth edges and no microscopic air bubbles. The second major component to the infill/ballast system is pure silica sand. This is critical to the infill process as it allows the blend of silica sand and pelletized rubber to resist water flow and avoid separation over time.

FieldTurf\textsuperscript{®}’s infill technique produces a ballast of almost 10 pounds per square foot, nearly three times as heavy as other synthetic turf systems. FieldTurf\textsuperscript{®} has received a patent for this infill procedure and testing by the NFL has shown that their blend of fiber, silica sand, and cryogenic rubber creates a stable, uniform surface similar to natural turf and improves the overall safety of the playing surface.

1.2 Safety

1.2.1 G-max Rating

G-max is the term given to the systematic means of evaluating the impact attenuation capacity of playing surfaces. It is a standard used by the U.S. Consumer Product Safety Council to quantify the shock hardness of a surface, with particular regard given to head injury.

The scale is based on a 1 to 200 numeric rating, with 1 being the softest, and 200 being the maximum threshold of safety. G-max ratings are calculated through the ASTM F1936 procedure whereby readings are taken at six standardized points on a given surface. The rating is accomplished through a mathematical formula derived from automotive crash test standards and is represented as a range of values. Generally, G-max ratings are provided at installation, and at a 5-year interval.

The G-max rating of synthetic turf remains constant regardless of weather conditions because of the high rate of vertical drainage but other factors can influence the rating. Fluctuations in G-max rating can be caused by the material specified for turf fiber, infill, and by varying installation procedures. Additionally, ratings tend to increase with the age of the field due to the compaction infill material.

Example G-max Ratings for a Common Field
FieldTurf\textsuperscript{®}
120-135 at installation
140-160 after 5 years without proper infill maintenance

\textsuperscript{1} Figure provided by FieldTurf\textsuperscript{®} representative
1.2.2 Release Coefficient

The release coefficient of a surface is a calculated numeric value based on the amount of force required for a shoe or cleat to break from a planted position on the surface. It is an important consideration as it is directly related to the probability of leg, ankle, and knee injuries.

For purposes of comparison, the standard traction coefficient required to prevent slipping during normal pedestrian walking is 0.5, as established by the American National Standards Institute, ANSI A1264.2. Testing performed by the Synthetic Turf Council has concluded that the ideal coefficient of friction for optimum playing conditions is a value within the 0.7 to 1.5 range. Values higher than 1.5 result in greater force being required to release, creating potential for torsion-related injuries. Conversely, values lower than 0.5 can cause equally unsafe conditions and represent unstable, slippery surfaces.

The primary factor in establishing a coefficient of friction for synthetic turf relies on the ratio of infill or ballast material. For example, an infill consisting of high ratios of rubber will have a lower coefficient of friction and be generally more unstable. FieldTurf’s blend of silica sand and cryogenic rubber produces a release coefficient within the range provided by the Synthetic Turf Council.

Synthetic turf has an ability to maintain this standard coefficient because of the lack of soil liquefaction during a rain event. Silica sand and rubber blends are highly efficient drainage medias and as such prevent pooling. FieldTurf® has a release coefficient from 0.9 to 1.5.

1.3 Health Concerns

1.3.1 Lead Content

Lead content has become a growing concern with athletic departments and public officials regarding synthetic turf. The issue was thrust into the spotlight most recently by the well-publicized discovery of high lead content in synthetic fields by the New Jersey Department of Health and Senior Services (NJDHSS.)

In response, NJDHSS conducted tests on 12 separate synthetic turf fields around the state of New Jersey. The agency found that the occurrences of high levels of lead content were limited to surfaces that contained a blend of nylon and polyethylene fiber or were composed entirely of nylon.

FieldTurf was tested by NJDHSS prior to the award of a contract to replace the contaminated synthetic fields. Testing by the State of New Jersey found that FieldTurf® contained 1 to 1.6 parts per million (PPM) of lead. By comparison, the U.S. Consumer Product Safety Council considers 60 PPM acceptable in children’s toys. Additionally, drinking water is considered “safe” at 400 PPM. Because FieldTurf® is made of 100%
polyethylene, it contains only trace amounts of lead that are lower than levels found in natural soil.

1.3.2 Staph/MRSA Infection

Another health concern for athletic departments and public officials is the growing occurrence of MRSA (methicillin-resistant Staphylococcus Aureus) or, Staph Infection, in sports facilities. MRSA is an infection caused by the staphylococcus aureus bacteria. Initially synthetic turf was thought to provide an effective habitat for bacteria to propagate. Testing conducted by soil science researchers at Penn State has concluded that the infill materials used in all forms of synthetic turf provide very poor conditions for bacterial propagation due to pelletized rubber containing zinc and sulfur. Additional factors responsible for inhibiting microbial growth include daily variations in surface temperature and a general lack of moisture due to rapid drainage. The study done by Penn State did not find any significant occurrence of MRSA in the synthetic turf studied; however, it did identify bacteria on other sports-related surfaces, i.e., blocking pads, used towels, and weight equipment. While there are anti-bacterial sprays are on the market, the manufacturer does not recommend their use.

An important consideration with the MRSA risk is the occurrence of “turf burn” or abrasions caused by hard contact with turf. The instances and severity of turf burn are significantly higher with older generations of synthetic turf, like Astroturf. This is important because “turf burn” provides a viable point of entry for the MRSA bacteria found in locker rooms and on sports equipment. FieldTurf® has an abrasion rating similar to natural turf.

1.4 Maintenance Requirements

1.4.1 General Surface Maintenance

General routine maintenance consists of debris removal, fluffing high traffic areas, and periodically checking for weeds growing around the perimeter of the turf areas.

Guidelines provided by FieldTurf® and the Sports Turf Managers Association outline a surface maintenance plan using a stiff, natural bristle push broom for general upkeep and to “fluff” higher traffic areas. A soft rake or leaf blower can also be used to remove organic material.

Miscellaneous spot maintenance should be done as required, to prevent food spills from attracting pests. Food spills should be brushed and washed to avoid attracting dirt and other debris. Paint should be removed with paint thinner and then rinsed.

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2 Study authored by Assoc. Professor Andy McNitt. Source: http://live.psu.edu/story/19289
Pet cleanup should occur by first removing the solid waste. Any remaining debris can be removed with a hose to clean the area and eliminate any odors.

Finally, it is recommended that the facilities management keep a small surplus of turf available as well as a supply of infill material and the adhesive required to repair any damage done to the field.

1.4.2 Infill Material Maintenance

The maintenance of the infill material is a critical component in overall field maintenance. Maintaining proper infill conditions is directly related to the longevity of the field and the safety that FieldTurf®'s system provides. This type of maintenance should be done at the start of the playing season and to heavily used areas as needed throughout the season. While FieldTurf®'s blend of infill material generally resists water flow, a heavy storm can cause some infill disturbance to result. When this occurs, the manufacturer recommends simply brushing additional infill material into the affected area.

1.4.3 Field Striping

Synthetic turf accommodates several approaches to field/game striping. Depending on the uses, removable paint and chalk are both viable options. Additionally, FieldTurf® can provide permanent striping as an integral part of the turf material. As an example, permanent, integral striping typically adds a one-time, $15,000⁴ cost to a standard football field.

A combination of the permanent striping, and removable paint options should be considered. The benefit of removable paint is the flexibility that method provides; however, it will add to the weekly maintenance costs. Permanent striping is colored turf that needs no additional attention once installed. This is best used in high-traffic, single use areas, i.e., football field.

1.5 Maintenance Costs

1.5.1 Cost of Operation

As with any surface, there is an annual cost associated with maintaining the playing field. When creating an annual maintenance budget, several factors must be taken into consideration:

- Materials, e.g., excess turf, adhesive, supplemental infill material
- Equipment, e.g., utility vehicle capable of grooming/brush attachment
- Labor, e.g., actual labor costs to maintain the facility

⁴ Figure provided by FieldTurf® representative
- Field Replacement, e.g., providing an annual contribution to the eventual replacement of the surface at the end of its effective lifespan

According to the Synthetic Turf Council, the maintenance of a synthetic turf field typically costs $10,000-$15,000 annually. For this analysis, a maintenance budget of $15,000\textsuperscript{4} will be assumed. These projected costs do not account for the initial purchase of maintenance equipment or labor costs unrelated to field maintenance specifically. Projected equipment costs can be found in Section 1.5.2.

1.5.2 Recommended Specialty Maintenance Equipment

Synthetic turf facilities require different care than natural turf fields, and limited special equipment to properly maintain them. Below is a general outline of equipment suggested by the manufacturer, and represents equipment found in most maintenance divisions.

**Grooming equipment** – typically a broom or brush that is dragged over the field by a utility vehicle. This is used to fluff the fibers and redistribute the pelletized rubber. This procedure should be considered analogous to aerating natural turf. This is a critical component of maintenance to prevent infill compaction (and eventual increase in G-max rating.) Approximate cost of equipment is: $3500 to $4500

**Sprayer** – liquid applicator required to prevent weeds and apply sanitation products if needed. This can be accomplished with backpack style spraying units. It is assumed the City of Fullerton currently owns this equipment.

**Top-dresser** – models mounted to, or pulled behind utility vehicle. These can be used for large-scale infill material maintenance and to reapply infill as material is lost over time. Approximate cost of equipment is: $3500 to $4500

**Paint Sprayer** – Game lines may need to be painted on the fields if not included as an integral part of the turf system at installation. Templates, stencils and tape measures may also be required to accurately paint the field. It is assumed the City of Fullerton currently owns this equipment.

**Miscellaneous** – hand tools, leaf blower, vacuum, etc. It is assumed the City of Fullerton currently owns this equipment.

1.6 Environmental Considerations

1.6.1 Water Conservation

With the exception of water used for on-site facilities and field maintenance, synthetic turf almost entirely eliminates the need for water and full-time irrigation on site. The

\textsuperscript{4} Figure of $5000 annually per 75,000 square feet provided by Synthetic Turf Council and NCAA I-AA Organization
irrigation system would be designed as a broadcast system, using large irrigation heads to quickly cool the playing surface. FieldTurf® representatives specified the use of a Toro 690C or similar broadcast irrigation head.

FieldTurf® recommends irrigating the fields just prior to any event for roughly 10 minutes to cool the fields during the warmest summer months. Irrigation can also be used during general maintenance. For purposes of comparison, the annual water use for synthetic turf is roughly equal to two months of the current water consumption. By examining the water usage for the driest months (July and August) it can be expected that water usage would not exceed 12,000 gallon – 14,000 gallons annually, providing a significant reduction in the current water consumption at Lion’s Field.

1.6.2 Energy Consumption

Synthetic turf reduces the overall amount of energy required to maintain the playing surface by eliminating the need for weekly mowing maintenance and need for regular irrigation. By reducing or eliminating these two major sources of energy consumption, synthetic turf can reduce the overall energy required to maintain the facility, and will reduce overall carbon footprint of the facility.

1.6.3 Recyclability

FieldTurf® specifies that their entire synthetic turf system is composed of 100% recyclable materials. Furthermore, 70% (by volume) of their infill material is comprised of 100% post-consumer recycled cryogenic rubber. At the present time, the manufacturer does not offer an incentive or buy-back program for their product to encourage recycling the material after its effective lifespan.

1.7 Cost of Synthetic Turf

1.7.1 Cost per square foot

The cost per square foot is calculated based on a rough estimate of required playing surface area and is inclusive of the turf, infill material, installation labor and required site preparations. FieldTurf® has provided the preliminary cost of $9.00 to $10.00\(^5\) per square foot. For this analysis, a mid-range figure of $9.50 per square foot will be assumed.

Price per square foot includes: - Rough grading
- Fine grading / drainage
- Materials (turf, infill, backing)
- Irrigation
- Installation

\(^5\) Figure provided by FieldTurf® – Field Division Representative
1.8 Life Expectancy

There are several factors that contribute to the life expectancy of a synthetic turf facility. Factors include but are not limited to: frequency and type of activity, maintenance plan, and age of user groups/level of competition occurring at the facility.

FieldTurf® representatives have reviewed the frequency of current use and the proposed future uses at Lion’s Field. They have provided a general window of 10-15 years of life expectancy. For this analysis, a mid-range figure of 12 year life expectancy will be assumed.

2.0 Natural Turf

2.1 Materials

2.1.1 Species of Grass

While there are several varieties of sport turf, or sod on the market, we have chosen to compare synthetic turf with TifSport® Bermuda grass. TifSport® is a variety of Bermuda grass specifically blended for appearance, resilience and playing experience.

2.2 Safety

2.2.1 G-max Rating

As described in the synthetic turf section, G-max is the term given to the systematic means of evaluating the impact attenuation capacity of playing surfaces. It is a standard used by the U.S. Consumer Product Safety Council to quantify the shock hardness of a surface with particular regard given to head injury.

The scale is based on a 1 to 200 numeric rating, with 1 being the softest, and 200 being the maximum threshold of safety. G-max ratings for natural turf can be calculated through the ASTM F355-A and F1936 standards but are most commonly tested using the ASTM F1702 standard.

Unlike synthetic turf systems, G-max ratings vary with natural turf surfaces and are not as representative of impact attenuation capacity uniformly across the surface. Some factors contributing to the variance of natural turf ratings include: level of wear, amount of soil compaction, moisture content of the soil, amount of vegetative cover and amount of thatch present. These conditions can vary around the surface because of the inherent inconsistencies of natural turf surfaces. As a comparison, to achieve a reasonable level of accuracy, some testing agencies advocate as many as 325 potential test sites for natural turf field versus 6 pre-determined locations with a synthetic turf surface.
Example G-max Ratings for a Common Field
80-165 average range

NFL Field – Pristine Condition
135 at installation

2.2.2 Release Coefficient

The release coefficient of a surface is a calculated numeric value based on the amount of force required for a shoe or cleat to break from a planted position on the surface. It is an important consideration as it is directly related to the probability of leg, ankle and knee injuries.

The standard traction coefficient required to prevent slipping during normal pedestrian walking is 0.5, as established by ANSI A1264.2. The Sports Science Handbook states that the release coefficient of natural turf with "shoe to ground," can range from 0.3 to 2.0 depending on field conditions. The use of cleats generally improves, and stabilizes the coefficient of friction.

The wide variety in coefficient value can be contributed to the same difficulties encountered while calculating G-max ratings for natural turf. Fluctuations in field conditions, (i.e., muddy or conversely, highly compacted, dry conditions) can cause a natural turf surface to experience a broad spectrum of release coefficients. Influential factors include uneven wearing, rutting and pooling water.

2.3 Maintenance Requirements

2.3.1 General Surface Maintenance

Bermuda grass sport turf provides one of the most consistent natural turf surfaces, but requires a great deal of maintenance to maintain optimum conditions.

General maintenance practices include: mowing, irrigating, fertilizing, aerating and dethatching. For best mowing results, cutting should be done with a rotary-style mower system weekly, to a height of ¾”-1 ½” as suggested by the TifSport supplier.

High-nitrogen fertilizer should be used to foster root growth, turf strength and deep color, however the use of high-nitrogen fertilizer may present additional maintenance needs. Some additional needs include more frequent mowing, higher watering requirements and increased pest control measures.

Bermuda grass requires irrigation to maintain the desired playing conditions. After the sod has established, the turf should be watered 2 to 3 times per week in the early morning during the summer months. The duration of watering varies with soil composition and compaction, but should occur long enough for water to penetrate 8”-10”
into the soil. During the winter months, watering should occur every 3 to 10 days. Again, the duration varies based on soil conditions, but should occur long enough for water to penetrate 4”-6” into the soil.\(^6\)

Aeration and dethatching should be done in both the spring and fall (prior to the start of each respective sport’s season). Aeration relieves soil compaction and allows the root mat to receive more oxygen, and have space to grow. Dethatching relieves the Bermuda grass of growth-inhibiting dead mat between the top of the soil and blade pile.

**2.3.2 Spot Maintenance**

Spot maintenance is generally required as a result of high traffic, repetitive movements and general game-related damage. Methods to mitigate these instances range from spot aeration and fertilizing to replacing the sod entirely. Timely responses to these conditions will dictate the overall success of the maintenance plan.

**2.3.3 Field Striping**

Field striping can be approached in two ways: painting or chalking. Each method requires weekly re-application following general field maintenance and mowing. Football is best striped with paint due to the quantity and length of the lines.

**2.4 Maintenance Costs**

**2.4.1 Current Maintenance**

The cost of maintenance typically includes mowing and general turf upkeep, fertilizer and pest control measures, game line painting, and spot replacement of heavily worn turf.

The current average maintenance expenditure at Lion’s Field is currently $24,115\(^7\) annually. An increase should be expected once the upgraded facilities are in place. This increase is due to the need to maintain upgraded facilities, and prevent the playing surfaces from falling into disrepair. This figure does not include the cost of irrigation. For the purposes of this analysis, the figure of $24,115 will be assumed.

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\(^6\) Suggested irrigation specifications by West Coast Sod

\(^7\) Figure provided by the City of Fullerton
2.5 Environmental Considerations

2.5.1 Water Conservation

Natural turf fields, especially popular sport-turf varieties such as Bermuda grass require regular and thorough irrigation. The amount of water required to maintain a viable sports surface will vary month to month with weather and field usage. During the 2007 season, 37,936 gallons of water was used to irrigate Lion’s Field, at a cost of $8370.\(^5\)

2.6 Cost of Natural Turf

2.6.1 Cost per square foot

The preparation of a natural turf playing surface has three main components: base preparation, sod and an irrigation system. For this analysis, a cost of $4.50 per square foot will be assumed for the installation of TifSport® Bermuda grass turf.

Price per square foot includes:  - Rough field grading
                                - Fine grading / drainage
                                - Materials
                                - Irrigation
                                - Installation

B. Comparison of Synthetic and Natural Turf

1.0 Cost Comparison

For the purposes of this comparison, we are using an estimated square footage of 175,000 square feet required to turf Lion’s Field. Additionally, figures provided by the City of Fullerton have been used to assess the current maintenance expenditure and water usage. For ease of comparison, the figures represent the calculated averages of the numbers provided and should be used for illustrative purposes only. These cost comparisons are considered “green to green” and refer only to the installation and maintenance of each type of playing surface. Construction and maintenance costs associated with the facility as a whole have not been considered for this report.

1.1 Installation Cost

1.1.1 Synthetic Turf
The preliminary quote provided by FieldTurf® was $9.00 to $10.00 per square foot. The price includes base preparation (i.e. rough/fine grading, drainage and irrigation) materials and installation labor.

Assumed value for analysis: $9.50 per square foot

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\(^5\) Figures provided by the City of Fullerton
1.1.2 Natural Turf
The natural turf quote consists of base preparation (i.e. rough/fine grading, drainage and irrigation), sod and installation.

Assumed value for analysis: $4.50 per square foot

1.2 Maintenance Cost

1.2.1 Synthetic Turf
Figures provided by the Synthetic Turf Council provide an expected range of $10,000-$15,000 annually to maintain a synthetic turf facility.

Assumed value for analysis: $15,000 annually

1.2.2 Natural Turf

The figure below represents the costs associated with surface maintenance only, i.e., mowing, maintenance labor, chemicals and striping. The figures provided by the City of Fullerton represented maintenance costs beginning in 2004 through present and have been calculated as a historical average for this comparison. The cost to maintain an upgraded facility would likely be higher.

Current average expenditure: $24,115 annually

1.3 Water Cost

1.3.1 Synthetic Turf

Irrigation will be used occasionally to cool the field during the hottest summer months, and for general maintenance. Water use projections indicate that the annual water usage of synthetic turf is roughly equal to two months of watering at the current levels. For this analysis, figures provided by City of Fullerton for July and August 2007 have been used, and represent the expected maximum usage.

Assumed value for analysis: $2867 annually

1.3.2 Natural Turf

Figures provided by the City of Fullerton represented water costs for the period from December 21, 2006 to December 14, 2007.

Expenditure for 2007 season: $8,370
1.4 Calculations and Comparisons

Table 1.

<table>
<thead>
<tr>
<th></th>
<th>Synthetic Turf</th>
<th>Natural Turf</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cost at Installation</strong> (175,000 square foot field)</td>
<td>$1,662,500</td>
<td>$787,500</td>
</tr>
<tr>
<td><strong>Maintenance Cost</strong>  (annual)</td>
<td>$10,000-$15,000</td>
<td>$25,000-$30,000</td>
</tr>
<tr>
<td><strong>Water Consumption</strong>  (annual cost) $0.22/gal  (annual gallons)</td>
<td>$2647-$3088 12,000-14,000 gal</td>
<td>$8370 37,940 gal</td>
</tr>
<tr>
<td><strong>Total Cost after 12 years</strong></td>
<td>$1,876,904</td>
<td>$1,422,940</td>
</tr>
</tbody>
</table>

C. Summary

This analysis has compared the positive and negative aspects of both synthetic turf and natural turf to provide background information to the City of Fullerton with regard to Lion’s Field. See Table 2 below for a comparison of technical information.

Equal consideration should be given to each of the alternatives as the decision process moves forward. While there is a noticeable difference in price, intangible benefits associated with both alternatives do exist. Safety, durability, appearance and predictability of playing conditions are items worthy of thoughtful consideration. While many factors were considered for this report, several intangible factors remain due to unquantifiable conditions.

These conditions include:
- Appreciation of maintenance costs over time
- Increases in water and fuel costs over time
- Future replacement cost of synthetic turf
- Effect of chemicals used for maintenance
- Gas and electricity consumed and quantity of CO₂ exhaust produced.

Finally, the information used to prepare this analysis has been compiled from organizations including: the City of Fullerton, the American National Standards Institute, ASTM International, the NCAA I-AA Organization, the Sports Science Handbook, the Synthetic Turf Council, ValleyCrest Landscape Development, West Coast Sod; supplier of TifSport® Bermuda grass sod, and FieldTurf Tarkett; manufacturer of FieldTurf.
<table>
<thead>
<tr>
<th></th>
<th><strong>Synthetic Turf</strong></th>
<th><strong>Natural Turf</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Materials</strong></td>
<td>FieldTurf®</td>
<td>TifSport®</td>
</tr>
<tr>
<td>(175,000 square foot field)</td>
<td>Polyethylene monofilament</td>
<td>Bermuda grass</td>
</tr>
<tr>
<td><strong>Safety</strong></td>
<td></td>
<td></td>
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<tr>
<td>G-max Rating (1-200)</td>
<td>120-135</td>
<td>80-165</td>
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<tr>
<td>Release Coefficient (0.5-1.5)</td>
<td>0.9-1.5</td>
<td>0.3-2.0</td>
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<td><strong>Health</strong></td>
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<tr>
<td>Lead</td>
<td>1.0-1.6 ppm*</td>
<td>N/A</td>
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<tr>
<td>Staph/MRSA</td>
<td>insignificant**</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Maintenance Cost</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(annual)</td>
<td>$15,000</td>
<td>$24,114</td>
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<tr>
<td><strong>Installation Cost</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Cost per square foot)</td>
<td>$9.00-$10.00/square foot</td>
<td>$4.00/square foot</td>
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<tr>
<td><strong>Water Consumption</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(gallons annually)</td>
<td>12,000-14,000 gal</td>
<td>37,940 gal</td>
</tr>
<tr>
<td><strong>Life Expectancy</strong></td>
<td>10-15 years</td>
<td>Replacement as needed</td>
</tr>
</tbody>
</table>

* U.S. Consumer Product Safety Council considers 60 parts per million (ppm) to be an acceptable level of lead in children's toys.
** Infill materials provide poor conditions for microbial propagation.