

7:30am to 9:00am at EHRA's offices

Attendees on October 9, 2018

Auggie Campbell

Imani Forrest

Greg Turner

Chris Browne

Jim Russ

Maurice Mullaly

Peter Huinker

Rob Bamford

Mark Gehringer

Jon Polley

Aaron Evans

Natalie Weiershausen

Carmen Kumpula

Brian Stidham

1. Welcome/Introductions .....Jim Russ

2. Sustainability Stars .....Jim Russ

a. Cross Creek Ranch (Rob Bamford)

i. Bamford reported that Cross Creek Ranch is 3,200 acres and Johnson Development bought the property in 2012. The development realized water is a commodity and decided to capture it with the polishing pond. The polishing pond is 45 acres of shallow water. The land has become a wildlife haven and includes a series of boardwalks to amenitize the area. Richard Long, USACE, has been an ally in the implementation of the project. The project has a sustainability message by landscaping the area and allowing reforestation meaning less irrigation is needed.

ii. Bamford reported that there are make-up wells in case of drought to keep everything green and looking natural. This year the area had pelicans again. BGE is the engineer on the project. The pond naturally filters 2-3 feet and is not used for detention. The pond is also very low maintenance and has a natural treatment approach.

iii. Creating the polishing pond was a leap of faith because there was not much data on this type of project. The project was also eligible for reimbursement from the local MUD and part of the wastewater treatment plan. The package treatment plant is owned by the city of Fulshear. Bamford reported that 100% of the wastewater is being used for irrigation.

iv. The committee discussed that the A&M study would possibly provide more sustainability stars to be awarded through the use of the integral purple pipe.

b. Queenston Manor (Chris Browne)

i. Queenston Manor needed to do all detention on site and distribute greenspace throughout the property. Browne reported that the project aimed to increase the time of concentration and hold water to slowly distribute to the HCFC channel. Underground storage was also used

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under the parking lot with tanks. The use of tanks means the apartments will not need to dig up anything and only vacuum once a year. The bricks overtop the tanks are filled in with different sized fine gravel. The gravel allows the water to get through without the debris. Not having debris clog up the tanks helps prevent water from going into homes. There are three outfalls and the focal point drain is the only section where they dug out the natural clay. The extra cost was the rain tanks under the parking lot. Browne reported that the cost was \$800M more because of the underground tanks but the additional units quickly made up the cost. Keeping them unclogged is the challenge. The property is not holding water so mosquitos are not a problem.

- ii. Browne reported that the only difference from the original technique is the amenitization of the common space.

3. **Committee Business**.....Jim Russ

a. Sustainability Stars Vote

i. Cross Creek Ranch Application:

- 1. The committee could not think of any other projects like the polishing pond. The original stars applied for were the innovation and integration stars. The committee discussed that the project would also qualify for the investigation & integration stars with the submission of the A&M Study and MUD reimbursement report.
- 2. Huinker motioned to approve awarding Cross Creek Ranch’s Polishing Pond with the Sustainability Stars Award. Gehringer voted to second the motion. The committee unanimously voted to award the polishing pond project with the innovation, integration, investigation and integration stars subject to submitting proper documentation.

ii. Queenston Manor

- 1. The committee discussed Queenston Manor’s application qualified for the investigation, investment, integration, and inspiration stars. Polley motioned to award Queenston Manor with Weiershausen to second. The committee unanimously approved to award Queenston Manor with the investigation, investment, integration and inspiration sustainability stars award.

4. **Adjourn**

Mission Statement

Sustainable infrastructure enhances the long term economic, social, and environmental outcomes of development and infrastructure within the greater West Houston Association region. The committee’s mission is to advocate for the use of sustainable infrastructure concepts through the education of members and stakeholders and recognition of projects and practices.

2018 WHA SUSTAINABLE INFRASTRUCTURE COMMITTEE MEETING SCHEDULE

All Meetings at EHRA Offices, 7:30 am

Tuesday, January 9  
 Tuesday, February 13  
 Tuesday, March 13  
 Tuesday, April 10  
 Tuesday, May 8  
 Tuesday, June 12

Tuesday, July 10  
 Tuesday, August 14  
 Tuesday, September 11  
 Tuesday, October 9  
 Tuesday, November 13  
 Tuesday, December 11