



**Planning and Coordination Council Quarterly Meeting Minutes (DRAFT)  
November 16, 2017**

**Zehmer Hall Conference Center Auditorium  
UVA School of Continuing and Professional Studies  
University of Virginia  
2:00 p.m.**

**PACC Members in Attendance: Teresa Sullivan, Pat Hogan, Maurice Jones, Colette Sheehy, Mike Signer, Kathy Galvin, Liz Palmer, Diantha McKeel, Norman Dill, Jeff Richardson**

**Others in Attendance:** Anthony de Bruyn, Matt Charles, Alice Raucher, Pace Lochte, Andrea Trimble, Bill Mawyer, Kristel Riddervold, Andy Lowe, Mark Graham and community members.

**1. Call to Order**

Pat Hogan, Executive Vice President and Chief Operating Officer, called the meeting to order at 2:00 p.m.

Mr. Hogan introduced Jeff Richardson, Albemarle County Executive.

**2. Approval of May 18, 2017 Meeting Minutes**

The minutes of the May 18, 2017 meeting were approved.

**3. Long-Term Water Strategies**

Presenter: Bill Mawyer, Executive Director, Rivanna Water and Sewer Authority

Long-range water strategy incorporates water supply, water treatment and water distribution. Water supplied to area by five water supply reservoirs: South Fork, Sugar Hollow, Ragged Mountain, Totier Creek (Scottsville) and Beaver Creek (Crozet). South Fork Treatment Plant, located behind reservoir, is the largest water treatment plant followed by the Observatory water treatment plant which is located on Observatory Mountain. Smaller treatment plant, North Rivanna Treatment Plant, located on 29 North. Additionally, Scottsville and Crozet have small water treatment plants.

The water shed for South Rivanna Reservoir captures the bulk of rainfall in Albemarle County due to large surface area of 366 acres. Sugar Hollow Reservoir has the smallest water shed of 47 acres and pumps water, roughly 14 miles, to Ragged Mountain Reservoir thru a 100-year-old pipe. 4M

gallons of water can be transferred daily as Sugar Hollow Reservoir has a capacity of 1.5B gallons. Ragged Mountain Reservoir supplies water to the Observatory Treatment Plant which then provides water into the “urban system” comprised of the University, Charlottesville and large part of Albemarle County.

Community Water Supply Plan was created between 2002 and 2010 to ensure long-range water supply. First phase was creating the Ragged Mountain Dam which was completed in 2014 and increased water storage from 500M to 1.5B gallons. Community uses 10M gallons daily (13% University, 38% City, 49% County). Currently, water consumption is within Safe Yield (16.2M gallons/daily) from the three reservoirs. By 2060, consumption is projected to be 17M gallons/day. Community Water Supply Plan calculated for this growth by increasing height of Ragged Mountain Dam by 12 vertical feet of water allowing for an additional 600M gallons. Also, a 9-mile pipeline will connect the South Fork Rivanna Reservoir to the Ragged Mountain Reservoir which has the capacity to pump 20M gallons/day. Process is to pump water from reservoirs (South Fork, Sugar Hollow) with larger water sheds in the spring to Ragged Mountain Reservoir for storage and then reverse flow during dry spells.

Additionally, RWSA plans on expanding Observatory Water Treatment Plant from 7M to 20M gallons. Discussion with UVA to extend current lease which expires in 2021. An Avon to Pantops waterline connection needed to complete circular pipeline system.

Ms. McKeel inquired if negotiations with UVA on the Observatory Reservoir would include allowing for expansion. Mr. Mawyer replied discussions were focused on buffers and lighting, expansion would be minimal. RWSA is currently working with Don Sundgren.

Mr. Hogan inquired about timeline of connecting pipeline. Mr. Mawyer informed PACC members cost would be between \$70M and \$100M. Next steps would be to run data thru financial model, work with RWSA Board and customers. The pipe connection project would likely take 10 to 20 years to be completed.

Ms. Galvin stressed stream health and environmental stewardship. Mr. Mawyer replied RWSA works closely with DEQ.

Mr. Signer commented Charlottesville water tasted less “green” in the past years. RWSA staff monitors water quality closely.

#### **4. Sustainability Programs**

Kristel Riddervold, Environmental Administrator, City of Charlottesville, gave an update on initiatives/discussions that began 20 years ago.

- 2006: Charlottesville City Council passed a resolution endorsing the U.S. Mayors Climate Protection Agreement.
- 2007: Albemarle County Board of Supervisors approved a Cool County Resolution.
- 2011: UVA’s Board of Visitors approved a sustainability commitment with a greenhouse gas reduction goal. In 2013, commitment amended to include a nitrogen goal.

The concept of collaborating on a Local Climate Action Plan Process (LCAPP) was brought to PACC Tech in Jan. 2009. Steering committee formed to look at effective strategies for our

community. Focus shifted from emissions to energy and specific goal and strategies identified. Local successes were celebrated. LCAPP recognized community's diversity and the need to tailor plan for each entity - actions must be voluntary. Additionally, synergies must make economic and environmental sense. Many climate action activities are held by UVA, Albemarle County and City of Charlottesville such as greenhouse gas inventory reports and climate action plans. Resiliency at a regional level is key.

Andy Lowe, Environmental Compliance Manager, Albemarle County, gave update on energy implementations. Many resources and programs in place currently such as LEAP, UVA Delta Force, Energy Performance Contracting Program, LEED, PACE. The Solar Foundation presented Albemarle County in July 2017 with a SolSmart Bronze designation. City received a SolSmart Silver distinction in October 2017, an honor which is very helpful when promoting area to solar companies. Composting opportunities continue to be explored by all three entities. UVA, City and County are working with RWSA on a pilot transfer station model. In addition, all are involved with maintaining their shared watershed by monitoring storm water and supply.

Andrea Trimble, Sustainability Director, University of Virginia, informed PACC members on combined efforts to promote sustainability programs and resources. Cross communication of events such as Better Biz Challenge, Charlottesville Climate Collaborative, Gen 180, Earth Week, Sustainability Days, and Environmental Justice implemented thru social media and newsletters.

Many education and research efforts in place:

- Greater Virginia Green Building Council lecture series
- Rivanna Stormwater Education Partnership
- Rivanna Environmental Management System Association
- UVA coursework and internships

Opportunities to strengthen partnership of UVA, Albemarle County and City of Charlottesville by continuing to evaluate goals and challenges, adapt and evolve programs, support sustainability goals, and coordinate on strategic initiatives.

Ms. McKeel requested a tour of UVA's recycling center. Ms. Trimble agreed to contact Board of Supervisors to schedule site visit.

## **5. Hydraulic Road/Hillsdale Drive Small Area Plan Update**

Presenter: Mark Graham, Director of Community Development, Albemarle County

Update on 29/Hydraulic:

After the success of Route 29 Solutions at the Rio/29 intersection, the plan is to move forward with work on Hydraulic/29 as there is available funding. Study to be vetted by Albemarle County and the City of Charlottesville by May, 2018, to meet the Commonwealth Transportation Board's application deadline, June 2018, for their transportation improvement program - Smart Scale. Currently, a draft land use plan has been completed for the City and the County of this area. Additionally, an analysis of transportation solutions that fit with this land use plan has been initiated. Alternative solutions are also being considered and developed.

The land use plan vision combines a strong sense of place, vibrant economy, efficient transit (cars, pedestrians, bicycles), and affordable and sustainable housing. Conceptual framework plan has several elements such as Zan Road, Hydraulic Road, and Angus Road having grade separated crossings. Developing the Zan Road corridor allows a new major street and still allows local transit. Conceptual land use plan goal is creating mixed use area of residential, commercial, and open and office space. Core area plan affects limited number of property owners, avoids existing residential neighborhoods, and fits with timeframe for Smart Scale application.

#### Transportation Improvement Alternate 1

- Grade separation at Hydraulic/29 with Hydraulic going under the Route 29 at grade.
- Separated overpasses at Angus/Holiday and Zan Road.
- Roundabouts at Hydraulic/Hillsdale (Whole Foods) and Hydraulic/District (Stonefield).
- Possible Hillsdale extension to Route 250 Bypass and eliminate ramps at 29N and 250 Bypass.
- [Link to simulation](#)

#### Transportation Improvement Alternate 2

- Continuous Flow Intersection at Hydraulic and Route 29.
- Other improvements remain the same as Alternative 1.
- [Link to simulation](#)

#### Transportation Improvement Alternate 3

- Available in January, 2018

Technical work and recommendations from City and County must be completed in spring to meet SMART SCALE application deadline of Aug. 1, 2018. Decision from VDOT by June 2019. If funding approved, construction would begin 2-6 years out. SMART SCALE funding is all or nothing from design to construction.

How to anticipate the impact of driverless cars, trucks and parking in 20-30 years is difficult.

More information can be found at <http://route29solutions.org/>.

### **6. Future agenda items**

Ideas and topics should be sent to Jeff Richardson.

### **7. Adjournment**

The meeting was adjourned at 3:45 p.m.