

**COUNTY COUNCIL OF CECIL COUNTY, MARYLAND
LEGISLATIVE SESSION DAY - 2017-10
RESOLUTION NO. 20-2017**

Title of Resolution: Expedited Amendment - Master Water and Sewer Plan - Rising Sun

Synopsis: A Resolution to amend the Cecil County Master Water and Sewer Plan, Chapter 3. Water Systems, Section 3.2.9 Rising Sun, to add text regarding relocating the water transmission line from the Pennsylvania state boundary to the Town of Rising Sun, along Red Pump Road and Ridge Road; and associated maps.

Introduced by: Council President on behalf of the County Executive

Introduced and ordered posted on: May 16, 2017

Public Hearing scheduled on: June 6, 2017 at 7:00 p.m.

Scheduled for consideration on: June 6, 2017

By: _____
Council Manager

PUBLIC HEARING

Notice of time and place of public hearing and title of Resolution, having been posted by ____ at the County Administration Building, 200 Chesapeake Blvd., Elkton, and having been published according to the Charter on _____, a public hearing was held on _____ and concluded on _____.

By: _____
Council Manager

EXPLANATION:

CAPITALS INDICATE LANGUAGE ADDED TO EXISTING RESOLUTION

~~Strike through~~ indicates language deleted from existing Resolution

Underlining indicates language added to Resolution by Amendment

~~Double Strike Through~~ indicates language stricken out of Resolution by Amendment.

1 **WHEREAS**, pursuant to section 9-503 of the Environment Article of the Annotated Code of
2 Maryland, each County is required to have a Water and Sewer Plan, and to provide for the administration,
3 enforcement and amendment of the Plan; and

4 **WHEREAS**, pursuant to section 9-503 of the Environment Article, each county's governing body
5 has the authority to review, revise or amend the Water and Sewer Plan; and

6 **WHEREAS**, the Town of Rising Sun is requesting an amendment to the Master Water and Sewer
7 Plan, Chapter 3 Water Systems, Section 3.2.9. Rising Sun, in order to allow a water transmission line that
8 is being run from the Pennsylvania state boundary to the Town of Rising Sun; and

9 **WHEREAS**, the Town of Rising Sun is requesting to relocate their transmission line from a portion
10 of Red Pump Road to Ridge Road based on obtaining option easements from multiple property owners;
11 and

12 **WHEREAS**, an amendment has been proposed to the Master Water and Sewer Plan, Chapter 3,
13 Water Systems, Section 3.2.9. Rising Sun, Section A. Existing System Area, to add text regarding the
14 addition of six parcels of land along Red Pump Road; and

15 **WHEREAS**, an amendment has been proposed to the Master Water and Sewer Plan, Chapter 3,
16 Water Systems, Section 3.2.9 Rising Sun, Section B. Proposed Improvements, to add text regarding the
17 addition of six parcels of land along Ridge Road; and

18 **WHEREAS**, the Department of Planning and Zoning has recommended amendments to the Master
19 Water and Sewer Plan; and

20 **WHEREAS**, a public hearing was held on these proposed amendments before the Planning
21 Commission on Monday, May 15, 2017; and

22 **WHEREAS**, the Planning Commission recommended approval of the amendment; and

23 **WHEREAS**, the principal elected official of each municipality in the County has been notified of the
24 plan amendment; and

25 **WHEREAS**, before the county governing body adopts any revision or amendment of its county
26 plan, the governing body must conduct a public hearing; and

27 **WHEREAS**, all requirements of the Environment Article of the Annotated Code of Maryland have
28 been met with regard to the amendment of the Cecil County Master Water and Sewer Plan.

29 **NOW, THEREFORE, BE IT HEREBY RESOLVED BY THE COUNTY COUNCIL OF CECIL COUNTY,**
30 **MARYLAND,** that the text amendment to the Master Water and Sewer Plan, Chapter 3, Water Systems,
31 Section 3.2.9 Rising Sun, is hereby adopted as follows:

32 **3.2.9 Rising Sun**

33 **A. Existing Systems**

34 The Town currently utilizes five wells to provide water service to roughly 970 customers.

35 The ~~2013 2015~~ demand for water was an average ~~daily flow of 182,000 gpd~~ **DAY DEMAND FOR**
36 **EXISTING CUSTOMERS OF 181,000 GPD**
37 and a ~~daily average flow of 213,000 gpd~~ **AN AVERAGE DAILY DEMAND OF 200,600 GPD** for the month of
38 maximum use, **UNDER ITS CURRENT WATER AND SEWER MORATORIUM. AFTER THE CURRENT**
39 **MORATORIUM IS LIFTED, THE AVERAGE DAY DEMAND IS EXPECTED TO BE 200,000 GPD AND AN**
40 **AVERAGE DAILY DEMAND OF 220,000 GPD FOR THE MONTH OF MAXIMUM USE. IT IS BELIEVED THAT**
41 **CURRENT WATER USAGE IN THE TOWN HAS BEEN SUPPRESSED DUE TO THE WATER AND SEWER**
42 **MORATORIUM, IN PLACE SINCE 2006.** The Town operates the system under two appropriation permits.
43 Permit CE73G012 authorizes the Town to withdraw water from four wells and is limited to a daily average
44 of 193,000 gpd on a yearly basis and a daily average of 240,000 gpd for the month of maximum use.
45 Permit CE1973G112(01) authorizes the Town to withdraw water from one well and is limited to a daily
46 average of 67,000 gpd on a yearly basis and a daily average of 80,000 gpd for the month of maximum use.
47 The Town has 500,000 gallon water storage tank on the south side of the Town which is capable of
48 supplying roughly two days of water supply to the Town.

49 The Town commissioned a report for water system supply improvements in 2016 that estimated
50 the annual average daily drought demand for the Town, based upon MDE WCMP guidelines to be roughly
51 ~~237,710~~ **220,000** gpd. Average daily demand during the month of maximum use was estimated at
52 ~~265,100~~ **280,000** gpd. The maximum day drought demand was estimated at ~~325,830~~ **360,000** gpd.
53 Assessing the system capacity using this methodology results in a current capacity shortfall when
54 compared to the month of maximum use drought demand of ~~265,100~~ **280,000** gpd estimated previously.

55 The Town successfully drilled and tested a well on land owned by the American Legion Post 194.
56 Although MDE issued preliminary flow rate approvals for this well system, they are only permitted to be
57 used for reducing the supply deficit.

58 **B. Proposed Improvements**

59 In order to reduce and eliminate the drought demand estimates, ~~and to~~ provide for current growth
 60 demands as called for in the Town's Comprehensive Plan, **AND MEET APPLICABLE WATER QUALITY**
 61 **STANDARDS**, the Town is proposing to ~~replace its existing water distribution system~~ **TAKE EXISTING**
 62 **WELLS OFFLINE (FOR FUTURE EMERGENCY USE ONLY), AND REPLACE SOURCE WATER WITH A NEW**
 63 **INTERCONNECT PIPING PROVIDING** ~~with a new~~ water supply ~~provided~~ by the Chester Water Authority
 64 (CWA), operating out of Pennsylvania. CWA will construct a water line through Pennsylvania to a
 65 metered location along the Pennsylvania/Maryland border in the area of Freemont Road and Red Pump
 66 Road. The Town will then construct a water line from this point, down Red Pump Road **AND IN ALONG**
 67 **ADJACENT PRIVATE PROPERTY EASEMENTS**, running south towards Route 1, and crossing Route 1 to
 68 connect to the Town's existing water distribution system that currently dead ends at the edge of the
 69 incorporated limits of Rising Sun along Walnut Street. The Town is targeting a daily demand ranging from
 70 250,000 gpd to 750,000 gpd. CWA ~~has completed~~ **IS COMPLETING** the ~~preliminary~~ **FINAL** design of this
 71 water line on the Pennsylvania side, ~~while AS IS~~ Rising Sun ~~is in the preliminary design stage for~~ **ON** the
 72 Maryland portion. **THE PROPOSED ALIGNMENT BETWEEN RIDGE ROAD AND CONOWINGO ROAD**
 73 **INVOLVES APPROXIMATELY 4,700 LINEAR FEET OF 12 INCH WATER MAIN AND APPURTENANCES, WITH**
 74 **THE MAJORITY OF THE MAIN LOCATED BEHIND THE PROPERTIES WEST OF RED PUMP ROAD.** Estimated
 75 completion of the line is ~~2016~~ **JANUARY 2018.**

76 ~~Upon completion of the new water supply line from Pennsylvania, the Town will update the~~
 77 ~~water model and begin plans~~ **AS THE TOWN'S WATER CUSTOMERS INCREASE OVER THE YEARS FROM**
 78 **BOTH EXPANSION AND INFILL, THE UPDATED WATER MODEL RESULTS WILL TRIGGER THE NEED** for
 79 construction of a second 500,000 gallon water storage tank on the north side of the Town to meet the
 80 system pressure demands and fire flow requirements for the northern portion of the Town. This tank is
 81 necessary **IN PART DUE TO THE** two large residential developments on the north side of Town, and will
 82 provide redundancy ~~for the single source water supply from Pennsylvania~~ **AND INCREASED STORAGE**
 83 **NEEDED TO MEET AVERAGE DAILY FLOWS PLUS FIRE FLOW RESERVES.**

84 The Town has concluded a study to replace roughly 10,000 linear feet of 4 inch water lines
 85 throughout the water distribution system. The Town has had problems with breakage and leaks and in
 86 many circumstances is unable to isolate the existing mains. Furthermore, the undersized lines are not
 87 conducive to future development. The project will cost roughly \$1.9 million dollars to complete and will
 88 commence as soon as a funding source can be identified.

89 **C. Water Service Area**

90 The water service area maps in Appendix D show the various service area categories.

91 **AND, BE IT FURTHER RESOLVED BY THE COUNTY COUNCIL OF CECIL COUNTY, MARYLAND,** that
92 this Resolution shall take effect on the date of its passage.

INTRODUCED: **May 16, 2017**

ADOPTED: _____

ATTEST:

President of the Council

Council Manager