

1 **CITY OF SANTA FE, NEW MEXICO**

2 **RESOLUTION NO. 2015-97**

3 **INTRODUCED BY:**

4
5 Councilor Peter N. Ives

6 Councilor Patti J. Bushee

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10 **A RESOLUTION**

11 **DIRECTING STAFF TO RESEARCH AND REPORT ON DEVELOPMENT OF A RAIN**
12 **WATER HARVESTING AND WATER CATCHMENT PROGRAM ASSOCIATED**
13 **WITH RESIDENTIAL, COMMERCIAL AND CITY-OWNED BUILDINGS AND**
14 **PROPERTY.**

15
16 **WHEREAS**, the City of Santa Fe and the State of New Mexico have been in drought
17 conditions for many years, putting strains on available water resources; and

18 **WHEREAS**, when it rains, rainwater is neither captured nor used productively to address
19 drought conditions; and

20 **WHEREAS**, within the limits of the City of Santa Fe, the footprint of residential
21 building is approximately 63,596,037 square feet; the footprint of commercial buildings is
22 23,621,704 square feet; and the footprint of governmental buildings, including those of the City
23 of Santa Fe, is 2,276,137 square feet; and

24 **WHEREAS**, assuming an annual rainfall of 12 inches, which equals 7.9 gallons per
25 square foot, the amount of rain that falls annually in gallons and acre feet on each of these three

1 types of structures is as follows:

2	<u>TYPE</u>	<u>GALLONS</u>	<u>ACRE FEET</u>
3	Residential	476,970,277.5	1464
4	Commercial	177,162,780	544
5	<u>Governmental</u>	<u>17,071,027.5</u>	<u>52</u>
6	TOTAL	730,510,537	2060

7
8 **WHEREAS**, 2060 acre feet of water is approximately twenty percent (20%) of the
9 10,000 acre feet, more or less, of water used annually by the entire City of Santa Fe; and

10 **WHEREAS**, the City should explore all available means to encourage and incentivize
11 private individuals, commercial enterprises and the government to capture and use the rainwater
12 resources that fall upon the City of Santa Fe; and

13 **WHEREAS**, the City should work to ensure the availability of all supplies of water to
14 the citizens and businesses and other who live and work in Santa Fe; and

15 **WHEREAS**, the City will ensure its long term sustainability and build resiliency within
16 the City of Santa Fe by ensuring that all who live and work here have available to them as many
17 sources of water as possible; and

18 **WHEREAS**, encouraging individual homeowners and business to participate in
19 capturing and using water, the impact of any failure in the ability of the City's water utility to
20 deliver water will be lessened, evidencing the increased resiliency of the City of Santa Fe; and

21 **WHEREAS**, encouraging the use of rainwater in such ways as will increase the quantity
22 of rainwater that is put into the sewers of Santa Fe and thereby increase the amount of reclaimed
23 wastewater that is treated by the Santa Fe Wastewater Treatment Plant; and

24 **WHEREAS**, a water catchment program installed on property in Santa Fe in the form of
25 active water harvesting systems would reduce the amount of storm water runoff, and provide an

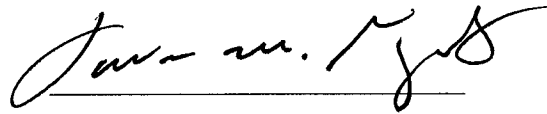
1 additional resource for irrigation, toilet flushing and other non-potable uses that typically come
2 from potable sources; and

3 **WHEREAS**, if the City needs to contract with a third party to explore the matters set
4 forth herein, the City's Water Fund can be used to accomplish the purposes of this Resolution.

5 **NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BODY OF THE**
6 **CITY OF SANTA FE** that staff is directed to research and report on ways to develop a water
7 catchment program for rainwater falling on buildings within the City of Santa Fe, to report on
8 what changes to the City's building codes are needed to encourage and make legal such a
9 catchment program, to make recommendations as needed on contracting for services to explores
10 such a catchment program, and to evaluate and develop incentives for residential, business and
11 governmental building owners to participate in such a program.

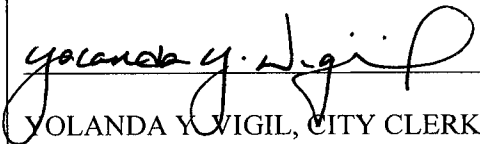
12 **BE IT FURTHER RESOLVED** that staff shall present their initial report within 60
13 days of adoption of this resolution.

14 PASSED, APPROVED AND ADOPTED this 28th day of October, 2015.

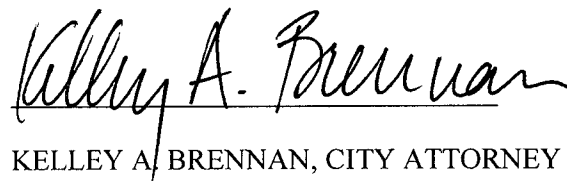
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16 JAVIER M. GONZALES, MAYOR

17 ATTEST:

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21 YOLANDA Y. VIGIL, CITY CLERK

22 APPROVED AS TO FORM:

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24 KELLEY A. BRENNAN, CITY ATTORNEY
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