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INFO OF INTEREST

7/9/2020

COMMUNITY HIGHLIGHT

FLAGSTAFF, ARIZONA SETS 2030 CARBON NEUTRALITY GOAL



Photo by Adrian Skabelund Daily Sun

Officials in Flagstaff, Ariz., voted unanimously to declare a climate emergency and set a goal of achieving carbon neutrality by 2030. "We can change our game plan to really make

Arizona Daily Sun (Flagstaff)...

FLAGSTAFF CITY COUNCIL DECLARES CLIMATE EMERGENCY DURING PANDEMIC

CITY SURVEY QUESTION HIGH OCCUPANCY HOUSING PLAN - REQUEST FROM CITY OF FLAGSTAFF

City of Flagstaff - SCN City Survey Question

Nicole Antonopoulos, Sustainability Manager for the City of Flagstaff, would like to know if your city/town has formally adopted a High Occupancy Housing Plan. Yes? No?

Please respond to the question via the link below.

RESPOND TO SURVEY QUESTION

SCN EVENTS

ALL TOGETHER NOW: OPPORTUNITIES FOR ARIZONA CITIES IN COUNTY ALL HAZARD MITIGATION PLANNING JULY 22, 2020

Discussion Series:

Connecting Emergency Management & Sustainability: Policies, Practices, And Actions

The All Hazard Mitigation Plan (AHMP) update process in Maricopa County serves as a critical tool to prepare cities for hazard mitigation and emergency management strategies, and to become eligible for federal funding from FEMA. Please join this panel to learn how you and your city can be engaged in the AHMP process. Rudy Perez, Senior Emergency Services Planner, Maricopa County Department of Emergency Management, and Melanie

within their community. The AHMP presents a unique opportunity for cities to mitigate threats, strengthen community resilience, and draw upon the expertise of internal municipal departments to encourage learning from each other. The Series fosters best practice sharing across cities and from the national movement, led by the Urban [Sustainability Directors Network](#), to link emergency management, resilience, and sustainability with a strong focus on equity.

The Discussion Series "Connecting Emergency Management and Sustainability: Policies, Practices, and Actions" will explore how cities can integrate emergency management and sustainability practices to examine opportunities for improvement and current strengths that will bring holistic recovery to our communities. The Series is co-sponsored by the Sustainable Cities Network and the City of Tempe's Office of Sustainability with support from the School of Sustainability and the Center for Emergency Management and Homeland Security.

Wednesday, July 22, 2020 | 11:00 AM - 12:00 PM

Via Zoom Webinar - RSVP for Link

MORE INFORMATION

EVENTS

**VIRTUAL EVENT:
AZ WATER CONFERENCE
JULY 13 - 24, 2020**

AZ Water Association is a 501(c)(3) nonprofit educational organization founded in 1928 with a membership of 2,100 water/wastewater professionals dedicated to preserving and enhancing Arizona's water environment. Although AZ Water is an independent organization, it also serves as the Arizona section of the American Water Works Association (AWWA) and the Arizona member association of the Water Environment Federation (WEF).

July 13 - 24, 2020 | 11:00 AM (FIRST SESSION)

VIRTUAL TRAINING: MARICOPA SMARTSCAPE SUMMER/FALL 2020

Smartscape is a training program specifically designed for professionals in the landscape industry or associated fields. The programs are designed to provide education on a wide range of topics encountered in the landscape field, with instruction from experts in the green industry. Attendees can earn continuing education for International Society of Arboriculture (ISA), or the Arizona chapter of the American Society of Landscape Architects (AzASLA) certification. Classes will be held online in Zoom from 3:00-6:00 p.m. More information and registration below.

Tuesdays and Thursdays, July 14 - August 13, 2020 | 3:00 PM - 6:00 PM

[MORE INFORMATION](#)

VIRTUAL EVENT: ARIZONA CHAPTER APWA FREE VIRTUAL SUMMER SERIES JULY & AUG 2020

The Arizona Chapter APWA Free Virtual Summer Series is an eight-week program that takes place at 10:30 a.m. every Tuesday and Thursday in July and August. Starting on July 7th and ending on August 27th we will feature live and interactive presentations on a variety of educational and entertaining topics. All sessions will be recorded and posted on the conference website.

Tuesdays and Thursdays, July 7 - August 27, 2020 | 10:30 AM

[MORE INFORMATION](#)

NEW CORONAVIRUS RESOURCES



CDC WEBSITE FOR SANITATION AND WASTEWATER WORKERS

During the coronavirus pandemic, the Centers for Disease Control (CDC) and the U.S. Environmental Protection Agency (EPA) have worked hand in hand to ensure the American public has the information they need to stay informed with respect to using water resources.

CDC recently posted a new coronavirus website for sanitation and wastewater workers. Additionally, EPA regularly updates its coronavirus website, which provides information on drinking water and wastewater. In addition to information for the general public, this website includes resources for state, local, and tribal agencies and intergovernmental associations.

Having fully operational drinking water and wastewater services is critical during the COVID-19 national health emergency. EPA supports our nation's water and wastewater employees who help protect human health and the environment every single day.

Latest information from the **EPA** [here](#).

INFORMATION FOR SANITATION AND WASTEWATER WORKERS ON COVID-19

OPPORTUNITIES

GRANT FUNDING: ARIZONA DEPARTMENT OF FORESTRY AND FIRE MANAGEMENT (DFFM) - INVASIVE PLANT GRANT PROGRAM

The Arizona Department of Forestry and Fire Management (DFFM) - Invasive Plant Grant

\$300,000 to treat non-native invasive plant infestations that threaten forested, woodland, or rangeland areas. Reseeding and planting native vegetation are allowable components of an invasive plant project. The theme for the 2020 grant is riparian areas, or areas that interface between land and a river or stream. Applications without treatment in a riparian area will be accepted, but may receive less priority.

A few changes have been made this year to the grant program:

- A minimum of 10% matching funds is required
- Projects can be up to 36 months in duration

All applications must be completed and submitted online at the following link. Grant Guidelines and Instructions can be accessed at the link below:

Applications are due Friday, July 31, 2020 by 11:59 PM

MORE INFORMATION

U.S. DOE EERE NEW FOA BUILDING TECHNOLOGIES PROVING GROUND – PUBLIC SECTOR FIELD VALIDATION

Today, the U.S. Department of Energy's (DOE's) Office of Energy Efficiency and Renewable Energy (EERE) announced a new Funding Opportunity Announcement (FOA) entitled "Building Technologies Proving Ground – Public Sector Field Validation." This FOA allows state, local, and tribal government entities to compete for up to \$10 million in funding for 5–10 new awards. Selectees will have the opportunity to validate high-impact building technologies for public and commercial buildings. See blog post [here](#).

Projects funded through this FOA will enhance the energy efficiency of buildings and provide flexibility services to the electric grid. Many of these technologies can enable dynamic building interactions with the power grid that provide new value streams to commercial building owners. More information is available in the FOA announcement.

"This new funding will generate data on the field performance of building technologies in dynamic, variable conditions," said Alex Fitzsimmons, Deputy Assistant Secretary for Energy Efficiency. "These projects will provide valuable insights to inform DOE's

validation in this [blog](#).

Applicants must submit a Concept Paper no later than Monday, July 27, 2020 at 5:00 p.m. E.T. to be eligible to submit a full application. Full application responses are due no later than Tuesday, September 28, 2020.

Review the Tuesday, June 30, 2020 Webinar [here](#)

Search **DE-FOA-0002324** on eere-exchange.energy.gov

Submit a Concept Paper no later than Monday, July 27, 2020 | 5:00 PM ET

MORE INFORMATION

WEBINARS

LEARN FROM BUSINESS - GREENBIZ WEBCAST: HOW BUSINESSES CAN OVERCOME BARRIERS TO ACHIEVING CLIMATE GOALS BY NRG ENERGY AND GREENBIZ GROUP JULY 14, 2020

CLIMATE CHANGE EDUCATION NATURE

Join us and discover the findings of research conducted by NRG Energy and GreenBiz Group, examining key plans and actions businesses are taking to address climate change. From 1:00-2:00 p.m. EDT. More information and registration below.

Tuesday, July 14, 2020 | 1:00 PM - 2:00 PM EDT

REGISTER

HOW TO CHOOSE, PLANT, CARE FOR AND HARVEST EDIBLE TREES IN THE SOUTHWEST

JULY 14, 2020

EDUCATION NATURE

SOUTHWEST AGROFORESTRY ACTION NETWORK in partnership with the Arizona Community Tree Council presents online/via Zoom "How to Choose, Plant, Care for and Harvest Edible Trees in the Southwest" Tuesday, July 14, 9:00 MST, 9:00 - 10:00 (60 minutes).

Co-presented by Ann Audrey and Rafael de Grenade, Co-Leaders, Linking Edible Arizona Forests (LEAF) Network Presentation Description:

Edible trees-those native and nonnative trees that produce fruits, nuts, seeds and pods that suit human tastes-benefit the environment and increase food security. This presentation addresses edible tree characteristics, microclimate preferences, planting strategies, watering with non-potable supplies, tree maintenance and harvesting strategies.

Tuesday, July 14, 2020 | 9:00 AM - 10:00 AM

REGISTER

**DEVELOPING AN EFFECTIVE HEAT HEALTH ACTION PLAN FOR
YOUR CITY - EPA HEAT ISLAND REDUCTION PROGRAM
BY GLOBAL HEAT HEALTH INFORMATION NETWORK
JULY 21, 2020**

CLIMATE CHANGE EDUCATION NATURE

Heat Health Masterclasses

This webinar series features best practices and science for communities looking to manage heat health. Leading experts in the field will canvass topics including urban planning and design that considers how urban heat mitigation can help cities increase their resilience to extreme heat; quantifying the costs and benefits of different heat interventions (e.g., housing interventions, air conditioning, heat early warning systems, community cooling centers, municipal heat action plans) to inform decision making; and heat health action planning, based on principles and guidance developed by the World Health Organization and from case studies of actual plans.

public and medical advice and improvements to housing and urban planning. These actions can be integrated in a defined Heat Health Action Plan. There are several principles that should be used in planning for and responding to heatwaves.

This Masterclass is an introduction to heat health action planning, based on principles and guidance developed by the World Health Organization and from case studies of actual plans.

Tuesday, July 21, 2020 | 5:00 PM - 6:30 PM

[REGISTER](#)

**ENHANCING TREE HEALTH IN WATER SENSITIVE URBAN
DESIGN: ROLE OF MYCORRHIZAE
BY ALABAMA A&M AND AUBURN UNIVERSITIES EXTENSION
JULY 14, 2020**

[EDUCATION](#) [NATURE](#)

Speaker: Brandon Winfrey, PhD, Monash University

Project Description: The project investigated the effects of adding a mycorrhizal fungal inoculant on 3 plants species- 2 sedges and 1 tree - growing in stormwater biofilters. We evaluated the impacts on both plant establishment and on plant stress and pollutant removal after two durations of drought. We found that adding mycorrhizae had minimal impact on plant growth and stress tolerance of the tree species, *Melaleuca ericifolia*, and had a similar impact on sedge species.

Tuesday, July 14, 2020 | 4:00 PM CT

[REGISTER](#)

**OPTIONS FOR ADVANCING COMMUNITY CHOICE ENERGY IN
NEW STATES
BY COMMUNITY CHOICE PARTNERS
JULY 15, 2020**

Join Us Live Online for a Webinar from Municipal Sustainable Energy Forum

OPTIONS FOR ADVANCING COMMUNITY CHOICE ENERGY IN NEW STATES

Presented by: Samuel Golding, Community Choice Partners

Interest in Community Choice Energy continues to grow across the USA, driven primarily by bipartisan public support to decarbonize the economy through sensible infrastructure investments as well as the rapid pace of technological change that is increasingly disrupting energy market operations.

Wednesday, July 15, 2020 | 10:00 AM MT

[REGISTER](#)

ARTICLES



Art by Turner G. Davis

IF ONLY THEY KNEW THE REAL ME

Shirley-Ann Augustin-Behravesh | Transformations

COMMUNITY

An essay through the Narrative Storytelling Initiative in Transformations, an online magazine of narrative essays written by faculty members and others focused on life-changing experiences and events. Shirley-Ann Augustin-Behravesh is a senior sustainability scientist and lecturer in the School of Sustainability at Arizona State University.

[CONTINUE READING](#)



The city has chosen a parking lot at the Esteban Park, 3345 E Roeser Road, as the first cool pavement testing location. Photo Emilly Davis

PHOENIX TRIES 'COOL PAVEMENT' TO CURB HEAT ISLAND EFFECT

Emilly Davis | Arizona Republic

NATURE COMMUNITY

As temperatures continue to rise this summer in Phoenix, the city is piloting a tool they hope will help curb the urban heat island effect — cool pavement...

CONTINUE READING



A lump of coal weathering out from Siberian flood basalts in a quarry near the town of Ust Ilimsk.

Photo credit: Scott Simper

ASU RESEARCH: COAL-BURNING IN SIBERIA LED TO CLIMATE CHANGE 250 MILLION YEARS AGO

ASU Now

[CLIMATE CHANGE](#) [EDUCATION](#)

A team of researchers led by Arizona State University School of Earth and Space Exploration Professor Lindy Elkins-Tanton has provided the first ever direct evidence that extensive coal burning in Siberia is a cause of the Permo-Triassic Extinction, the Earth's most severe extinction event. The results of their study have been recently published in the journal *Geology*.

[CONTINUE READING](#)

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FEDERAL GRANTS DATABASE

NOAA CLIMATE DATABASE

US GOVERNMENT OPEN DATABASE



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