



AMBER BOSKET

EXECUTIVE DIRECTOR,
STATE RENEWABLE ENERGY

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LINKEDIN

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EDUCATION

Computer Science and
Environmental Studies, University
of Nevada Las Vegas, 2003

Secondary Education, Northern
Arizona University, 2004

SKILLS

Renewable Energy
3D Printing
Hydroponics
Robotics
Virtual Reality
3D Modeling
Computer Science
Project Design
Strategic Planning
Grant Writing
Sustainability
Technology Integration
Adobe Creative Suite
MS Office
Apple iWork
Web Design

EXECUTIVE SUMMARY

Amber Bosket is the Executive Director of State Renewable Energy. She integrates technology into sustainability projects and specializes in renewable energy design, advanced agricultural technologies, 3D modeling, 3D printing, and Green STEM Education. She also writes for energytree.org, an online publication geared toward energy, education, and the economy from an environmental perspective. In addition, Amber has given numerous presentations at the local, state, and national level and is an accomplished author and grant writer. Amber has served on many boards and committees in officer positions and has won numerous awards for her work.

EXPERIENCE

EXECUTIVE DIRECTOR, STATE RENEWABLE ENERGY, NEVADA

2010 - Present

Specializes in renewable energy design, advanced agricultural technologies, 3D modeling, 3D printing, and Green STEM Education.

GREEN TECHNOLOGIES ANALYST, ENERGY TREE, NEVADA

2012 - Present

Researches and writes articles related to education, energy, and the economy from an environmental perspective.

TECHNOLOGY INTEGRATION CONSULTANT, SOUTHWEST

2007 - 2010

Designed and integrated specialized technology into a variety of applications from infrastructure to education.

EDUCATIONAL TECHNOLOGY SPECIALIST, ARIZONA

2006 - 2007

Career and technical education, computer and web design.

HIGH SCHOOL TEACHER, KUSD, ARIZONA

2005 - 2006

Taught World History and led the technology committee.

MEMBERSHIPS

- **U.S. GREEN BUILDING COUNCIL**

March 2012 - Present, Organizational Member

The U.S. Green Building Council mission is to transform the way buildings and communities are designed, built, and operated, enabling an environmentally and socially responsible, healthy, and prosperous environment that improves the quality of life.

- **CONSERVATION DISTRICT OF SOUTHERN NEVADA**

January 2015 - October 2017, Elected Board Member, Secretary

Served as an elected board supervisor and officer for the Conservation District of Southern Nevada to promote local, regional, and statewide conservation efforts.

- **U.S. GREEN BUILDING COUNCIL NEVADA CHAPTER**

April 2015 - October 2015, Chair, Green Schools Committee, Southern Region

Served as chair of the Green Schools Committee for southern Nevada to promote the advancement of green technologies into schools.

HONORS AND AWARDS

- **COMMUNITY PARTNERSHIP AWARD, 2017**

May 2017, from West Career and Technical Academy

Received for continued support of West CTA's engineering program.

- **TRANSFORMERS AWARD, 2017**

April 2017, from the U.S. Green Building Council of Nevada and Green Alliance

Received for the Zion Garden Park Agricultural Assistance Program.

- **SUSTAINABLE COMMUNITY AWARD, 2017**

March 2017, from Green Chips, now Impact NV

Received for the Zion Garden Park Agricultural Assistance Program.

- **CONSERVATION EXCELLENCE IN AGRICULTURE AWARD, 2016**

November 2016, from the Nevada Association of Conservation Districts

Received for the Zion Garden Park Agricultural Assistance Program. This was the first time the award was given to an urban agriculture program.

- **OUTSTANDING CONSERVATION DISTRICT OF THE YEAR AWARD, 2015**

November 2015, from the Nevada Association of Conservation Districts

Accepted on behalf of the Conservation District of Southern Nevada.

- **EXCELLENCE IN EDUCATION, CERTIFICATE OF ACHIEVEMENT, 2014**

December 2014, from the Nevada Governor's Office of Energy

Received for excellence in education as an organization.

- **LEEDERSHIP IN EDUCATION AWARD, 2014**

December 2014, from the U.S. Green Building Council Nevada Chapter

Received for outstanding dedication and sustainable contributions in education.

PRESENTATIONS

- Nevada Green Schools STEM Summit, October 2015
- NvACD Annual Meeting, November 2015
- NvACD Annual Meeting, November 2016
- National Association of Conservation Districts Annual Meeting, January 2017
- Rotary Club of North Las Vegas, February 2017
- Convene for Green, "Collaboration in Focus" Presentation and Panel Discussion, March 2017
- Las Vegas Central Rotary, March 2017
- National Association of Conservation Districts UAC Webinar Presentation, July 2017
- Partners for a Healthier Nevada, August 2017
- Southern Nevada Urban Agriculture and Food Sustainability Forum, August 2017
- Desert Green, "Conservation in Urban Agriculture" Presentation, October 2017
- National Association of Conservation Districts UAC Webinar Presentation, October 2017
- Technology and Innovation STEM Event, December 2017
- Consumer Electronics Show, Interactive STEM Book Display, January 2018

PROJECTS AND EVENTS

- **Hydroponics for Education Booth Display at CES, January 2018**
CES booth showcased the interactive digital content of *Advanced Hydroponics for STEM Education*.
- **Technology and Innovation STEM Event, December 2017**
Displayed STEM learning stations demonstrating indoor hydroponics, 3D printing, and robotics.
- **Southern Nevada Urban Agriculture and Food Sustainability Forum, August 2017**
Event planning committee member and speaker.
- **Zion Garden Park Agricultural Assistance Program, August 2016 - July 2017**
Grant Writer and Project Director for the awarded Zion Garden Park Agricultural Assistance Program.
- **The Las Vegas Science and Technology Festival, Hydroponics Display, May 2017**
Showcased indoor hydroponic technologies using energy efficient lighting and water conservation.
- **Nevada Green Schools STEM Summit, October 2015**
Chair of the planning committee and speaker for the interactive sessions, Solar Power and 3D Printing.
- **3D Green Building Design Program, January 2013 - May 2013**
Developed program teaching green building techniques through 3D modeling and sustainability.
- **Solar Power Education Pilot, January 2013 - May 2013**
Pilot tested *Solar Power* with 450 CCSD students.

PUBLICATIONS

OPCOM FARM ADVANCED HYDROPONICS FOR STEM EDUCATION

Author: Amber Bosket *Published: January 4, 2018 by State Renewable Energy*

Advanced Hydroponics for STEM Education is an interactive book that teaches advanced hydroponics through STEM (Science, Technology, Engineering, and Mathematics) subjects.

SOLAR POWER: INTERACTIVE VERSION

Author: Amber Bosket *Published: June 14, 2014 by State Renewable Energy*

Solar Power, the interactive version, teaches about the aspects of solar power from the basics of electricity to designing multiple types of solar electric systems.