The Arizona-Sonora Environmental Strategic Plan

Background and Overview

June 15, 2017 – USIBWC Southeast Arizona Citizens Forum
ADEQ’s Office of Border Environmental Protection

- Part of the Office of Legislative Affairs under the Director’s Office
  - Staff members are located in Tucson
- Functions as Liaison with Binational and Border Organizations
  - Arizona-Mexico Commission
  - U.S.-Mexico Border 2020 Environmental Program
- Assists Media Divisions with Transboundary or Cross-Border Issues
  - May lead or support the implementation of projects
The Border 2020 Program

- 8-Year Implementation (through 2020)
- Five Program Goals
  1) Reduce Air Pollution
  2) Improve Access to Clean and Safe Water
  3) Promote Materials and Waste Management and Clean Sites
  4) Enhance Joint Preparedness for Environmental Response
  5) Compliance Assurance and Environmental Stewardship
- Six Fundamental Strategies
  - Children’s Health
  - Climate Change
  - Underserved Communities
  - Environmental Awareness
  - Promote Environmental Health
  - Strengthening Tribal, State, Federal and International Partnerships
- Regional Workgroups/Task Forces
- Two-Year Action Plans to Account for Resource/Priority Changes
In this context, it is defined by the La Paz Agreement as 100-km on either side of the inland and maritime boundaries between the United States and Mexico (the Parties).
Co-chairs
- U.S. EPA Region 9
- Secretaria de Medio Ambiente y Recursos Naturales (SEMARNAT), Sonora Office
- Comision de Ecologia y Desarrollo Sustentable del Estado de Sonora (CEDES)
- ADEQ

Task Forces
- Air Quality
- Water Quality
- Waste Management and Enforcement
- Emergency Preparedness and Response

Regional Workgroup Action Plans
The AMC Environment and Water Committee

- Public and Private Sector Co-chairs
  - ADEQ
  - Arizona Department of Water Resources
  - Salt River Project
  - CEDES
  - Yaqui and Mayo Valley Produce Growers Association

- Annual Summits
  - Arizona hosts in June, Sonora hosts in December

- Action Plans
  - Progress Reports / Accomplishments
Building on Action Plans

Partners:

- Arizona Department of Environmental Quality (ADEQ)
- Arizona Game and Fish Department (AZGFD)
- Arizona-Mexico Commission (AMC)
- Comisión de Ecología y Desarrollo Sustentable del Estado de Sonora (CEDES)
- Comisión Estatal del Agua del Estado de Sonora (CEA)
- Comisión Sonora-Arizona (CSA)
- Border Environment Cooperation Commission/Comisión de Cooperación Ecológica Fronteriza (BECC/COCEF)
- North American Development Bank/Banco de Desarrollo del América de Norte (NADB/BANDAN)
- North American Research Partnership (NARP)

**Working Sessions**

- Sept. 13-14, 2016 in Tucson, AZ
- Nov. 1, 2016 in Hermosillo, Sonora
- Third-Party Facilitation
  - Border Environment Cooperation Commission (BECC)
- Four Working Groups
- Identification of Projects
  - Impacts (High-Low)
  - Implementation Difficulty
  - Funding Potential
- Prioritizing of Projects
  - SWOT Review
  - Dot Voting/Ranking

**Air**
- ADEQ
- CEDES

**Water**
- ADEQ
- CEA
- ADWR

**Waste**
- ADEQ
- CEDES

**Wildlife**
- AZGFD
- CEDES
# ADEQ Priority Projects

## Air
- Installation and Operation of Air Quality Equipment in Sonora Border Communities
  - Phase 1: Rehabilitation of current equipment
  - Phase 2: Acquisition of new equipment
- Ozone Monitoring Pilot Project in San Luis Río Colorado
- Expansion of Air Quality Smartphone App to Yuma

## Water
- Stormwater Control in Nogales, Sonora for the Protection of Binational Infrastructure and Public Health
- Infrastructure for Metals and E. coli Attenuation in the San Pedro River
- Implementation of Green Infrastructure in Nogales, Sonora for the Protection of Binational Stormwater Quality
- Industrial Pretreatment Support in Nogales, Sonora for the Protection of Binational Water Quality
# ASESP Priority Projects

### Waste Management
- Identification and Cleanup Prioritization of Waste-impacted Sites in Combination with a Solid Waste Management Education Campaign
- Comprehensive Electronic Waste and Discarded Domestic Appliances Management Program
- Development of a Comprehensive Master Plan for the Management of Solid Waste, including consideration for:
  - Research of urban solid waste infrastructure lag and landfill locations
  - Provision of municipal solid waste collection, transport, and disposal equipment
  - Establishment of at least one solid waste recycling plant project

### Wildlife
- Population Study of the Sonoran Pronghorn in Arizona and Sonora
- Monitoring of the Black-tailed Prairie Dog Population in Arizona and Sonora
- Improvements to the Mexican Grey Wolf Captive Breeding Program
- Identification of Priority Zones for Jaguar Conservation in Southern Sonora
- Bighorn Population Study in Sonora
The agencies that will be implementing the plan signed a memorandum of understanding on December 2, 2016 during a Summit of the Arizona-Mexico Commission and the Comisión Sonora-Arizona. Arizona Governor Doug Ducey and Sonora Governor Claudia Pavlovich also signed as honorary witnesses.
# Toward Implementation and Accountability

<table>
<thead>
<tr>
<th>No.</th>
<th>Action - For Purposes of the ASEP, This Column Identifies Priority Projects</th>
<th>Primary Agency Owner</th>
<th>Due Date</th>
<th>% Complete</th>
<th>Date Completed</th>
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<tbody>
<tr>
<td>1</td>
<td>Installation and Operation of Air Quality Equipment in Sonora Border Communities*</td>
<td>CEDES</td>
<td>25</td>
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<td>2</td>
<td>Ozone Monitoring Pilot Project in San Luis Rio Colorado, Sonora</td>
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<td>3</td>
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<td>4</td>
<td>Ident. &amp; Cleanup Prior. of Waste-impacted Sites in Comb. w/a SW Mgmt. Ed. Campaign</td>
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<td>5</td>
<td>Comprehensive E-waste and Discarded Domestic Appliances Management Program</td>
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<td>6</td>
<td>Development of a Comprehensive Master Plan for the Management of Solid Waste.**</td>
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<td>7</td>
<td>Stormwater Control in Nogales, Sonora for Protect. of Binational Infrastructure &amp; Public Health</td>
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<td>8</td>
<td>Infrastructure for Metals and E. coli Attenuation in the San Pedro River</td>
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<td>9</td>
<td>Implement. of Green Infrastructure in Nogales, Sonora for Protect. of Binat. Stormwater Quality</td>
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<td>11</td>
<td>Sonoran Pronghorn Population Assessment in Arizona and Sonora</td>
<td>AZGFD</td>
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<td>Black-tailed Prairie Dog Monitoring in Arizona and Sonora</td>
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<td>13</td>
<td>Improvements to the Captive Breeding Program for Mexican Wolf in Sonora</td>
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<td>14</td>
<td>Identification of the Priority Areas in Southern Sonora for Jaguar Conservation</td>
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<td>Population Assessment of Bighorn Sheep in Sonora</td>
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## TEAM

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Abarca, Francisco</td>
<td>11, 12 Lead</td>
</tr>
<tr>
<td>Corrales, Leonardo</td>
<td>13, 14, 15 Lead</td>
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<tr>
<td>Huth, Hans</td>
<td>9, 10 Lead</td>
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<td>Lizarraga, Hector</td>
<td>1, 6 Lead</td>
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<tr>
<td>Mayoral, Gerardo</td>
<td>4, 5, 6 Support</td>
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<td>Mendoza, Edna</td>
<td>Overall Supr</td>
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<td>Mendoza, Martin</td>
<td>7, 8 Lead</td>
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<td>Monroy, Gerardo</td>
<td>2 Lead, 1 Supr</td>
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<td>Quimbar, Juan</td>
<td>4, 5 Lead</td>
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<tr>
<td>Rodriguez, Jose</td>
<td>5 Lead, 2 Supr</td>
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Contact Information

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Thank You