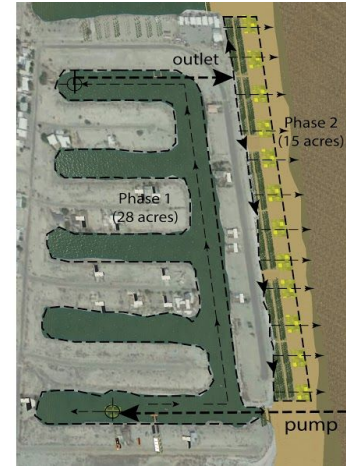
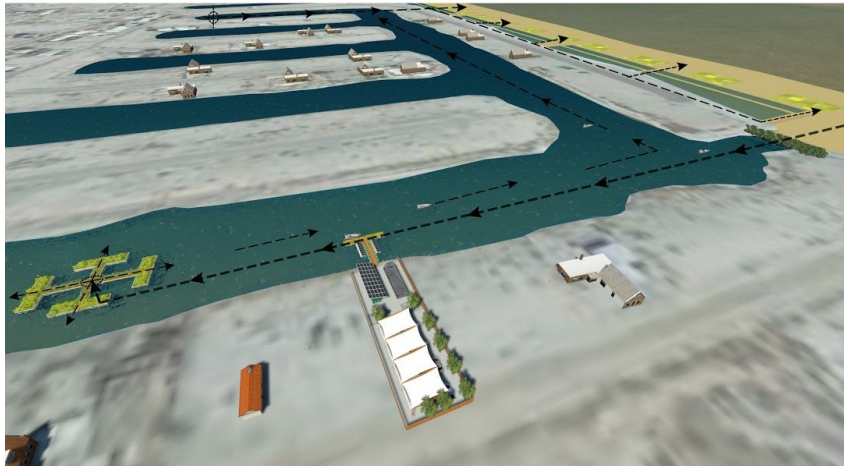


Desert Shores - Dust Mitigation Project



Introduction: AGESS, Inc. has entered into an agreement with multiple landowners listed below who are living in the Desert Shores community adjacent the Salton Sea. Together, we herein propose a dust mitigation strategy for the residents and surrounding population who are susceptible to serious dust hazards from the playa. Desert Shores, like many other areas, experiences the Salton Sea receding at an accelerated rate. Soon, 28 acres of historic water channel will become another exposed playa. Without immediate intervention, dust exposure will increase and become a detrimental hazard to Desert Shores residents' health. We will also utilize enhanced landscape mitigation systems to enhance the shoreline above the water line.

Current Property Owners:

- Loren and Carlene Ness: APN# 001-122-025 / 001-122-024 / 001-122-023 / 001-122-026
- Billie Brown: APN# 001-170-055 / 001-170-056
- Donna Winters: APN# 001-170-059 / 001-170-057
- Nellie McConnell: APN# 001-122-016 / 001-122-017 / 001-122-021
- Kevin Smith: APN# 001-113-014
- Bobbie Felton: APN# 001-122-043 / 001-122-044 / 001-122-045
- Lowell Kamper: APN# 001-170-021 / 001-170-025
- La Fon Anderson: 20 lots in total (list provided on request)

Bridge Funding: George Davis / 541.388.3187 / mrleasing@gmail.com

Maintenance and Operations Funds: Imperial County District Rec. funds - tract 662-B

Project Description: AGESS, Inc. proposes to mitigate dust at Desert Shores through implementing a pump from the Salton Sea into the existing 28-acre channel that has been disconnected from the receding Sea. Three temporary Tencate *Geo-tube* (geo-containment earth berms) will be installed to block the existing intake channel and allow for imported water to remain in the channels. This will prevent playa from being exposed to local residents. The water will be circulated into the channel from the Salton Sea using a solar-powered pump. The pumping system will be capable of adapting to changing shoreline conditions so the water supply will have minimal in-flow interruption. The property boundary of each parcel owned within the channels extends to the centerline of the channel which allows one solution to mitigate future fugitive dust for all 244 owners of tract 662-B. This proposal is consistent with the Salton Sea Air Quality Mitigation Program & BACM standards. The project objectives are also in conformance with the QSA agreement in regards to channel maintenance.

Phase 1: Shallow Flooding of Existing Channels: The use of in-situ channels utilizes an existing resource without dislocating resident property owners. Without intervention the existing channel will become playa within a very short period of time.

Enhanced Vegetation Dust Suppression: Salt-tolerant landscapes and Selenium extraction to be achieved through the collaborative effort of AGESS working closely with Intrysix Technologies Corporation and the PPCU, pioneers in the use of salt-tolerant plants for land and water remediation (phytoremediation). AGESS is also working with other emerging technology innovators to create a replicable, robust system for ecological restoration of the Salton Sea. Intrysix's particular landscape and farming systems uses harvestable vegetation such as *Salicornia*, *Stanleya* and Mangrove, together with particular landforming and water system measures to remove salts, selenium and to vegetate exposed land in salty soils.

Phase 2: Future Projects for Enhanced Vegetation: As the Salton Sea recedes, new shallow flooding ponds can be created at the exposed playa, which can be similarly replenished by solar-powered pump technology. This will be sustained by the excess water needed to create a circulation system in coordination with the Torres Martinez Tribe at a future date.

Description and Timeline:

Pilot: Phase 1 (2 months buildout + 6 months testing) (31 acres) (All Phase measures BACM)

- Shallow Flood Pond (28 acres)
- Enhanced vegetation dust mitigation (3 acres)
 - Salt Tolerant Landscape Planting (½ acre + ½ acre control)
 - Selenium Hyperaccumulator Planting (½ acre + ½ acre control)
 - Mangrove Wind Break (½ acre + ½ acre control)

Demonstration: Phase 2 (4 months buildout + 12 month testing) (15 acres)

- Shallow Flood Pond (9 acres)
- Enhanced vegetation dust mitigation
 - Salt Tolerant Landscape Planting (2 acres)
 - Selenium Hyperaccumulator Planting (2 acres)
 - Mangrove Wind Break (2 acres)

Cost Benefit Analysis: The benefit of this playa mitigation and monitoring program will have an increase to health conditions due to the immediate mitigation of dust transmission. If playa issues at the project site are not mitigated these values will continue to decline along with the health of the residents. This proposal can be installed over a six month construction timeline with all phases occurring simultaneously.

Desert Shores: Pilot Project Budget (31 acres)

| | | |
|--|------------------|-----------|
| Project Management: Agess, Inc. | \$14,080 | |
| Planning, Engineering, Construction (Soft Costs) | \$32,000 | |
| Construction (Hard Cost): Local Sub - Contractors | \$87,900 | |
| Water Import Pump Assembly Unit | \$50,000 | |
| Enhanced Vegetation Mitigation: Intrinsyx | \$111,150 | |
| Phytoremediation and Phytomining Consultants United (PPCU) | \$13,000 | |
| | | |
| | Subtotal: | \$308,130 |
| | Contingency: 10% | \$30,813 |
| | Total Cost: | \$338,943 |