

## **Attachment 6:**

### Project Monitoring



# Attachment 6: Program Monitoring Plan

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The Program Monitoring Plan describes the approach to be used to monitor individual landscape conversion projects and set interim targets (or milestones) to track the Program's success in meeting the level of benefits estimated in this proposal. The plan will also indicate how data will be collected, the types of analyses to be used and will define tools for assessing project benefits.

The following (quantifiable) physical benefits are expected from this Program:

- Water savings of 343 acre-feet (AF) per year.
- Reductions of in-system energy use of 326,000 kilowatt-hours (kWh) per year, and
- Reductions in in-system GHG emissions of 90,628 kgCO<sub>2</sub>e per year

In addition to the quantitative benefit outlined above, this Program will result in the following non-quantified benefits:

- Improved fish and wildlife habitat in the Camp Cady and Upper Mojave Narrows areas.
- Reduced pollution associated with reduced runoff from landscape irrigation

## Program Compliance Monitoring

Converted landscapes must remain in compliance with all program conditions for a period of two years. If the landscaping is altered during this two year period, the applicant will be required to refund some or the entire rebate if this requirement is violated. This requirement is void upon property transfer of ownership.

1. Project application must be submitted and pre-approved by the serving water district before removing any lawn and beginning the landscape conversion project.
2. The water district may require the applicant's presence during the site pre-inspection before receiving approval for the project.
3. Areas to be converted must be living and maintained lawn.
4. Project size must range between 100 and 20,000 square feet.
5. Applicant must participate in a post-inspection to receive final approval and sign-off of the landscape and irrigation system conversion before a rebate check will be issued.

## Monitoring System

Local water agencies meter all water supplies and may audit pre- and post-conversion water use of applicants to measure the effectiveness and longevity of the turf replacement program as a water and energy conservation tool. Collected data will be compiled and analyzed and results will be used to assess progress toward project goals.

## Data Management and Analyses

As discussed above, water purveyor meter readings will be used to determine the water savings per conversion project. Data will be maintained in a database and will be made available to DWR and Mojave Stakeholders. Long-term audits will be performed to determine the duration of turf removal and xeriscape plantings. Audit reports will be published every 5 years, reporting rates of maintaining low-water use landscapes. Results will be published on the MWA website, in UWMP updates, and provided to DWR and will be considered by Stakeholders when developing, updating and quantifying Mojave IRWM Plan objectives.

