Acrylic-Coated Roof Restoration / WAPA
Phoenix, AZ
RC-HD-45-GF20 (GacoRoofFoam & GacoFlex S20 Silicone)
Capstone Roofing
Western Area Power Administration (WAPA)
Existing roof had significant blistering due to failing acrylic roof coating. Subsequent hail damage occurred on repaired portion of roof.
**PROBLEM:** The Western Area Power Administration (WAPA) delivers hydroelectric power and related services to a 15-state region of the central and western United States. They were experiencing significant blistering on the roof of their Phoenix facility and the existing acrylic roof coating was failing overall. Although the roof was not yet leaking, WAPA wanted to take preventive steps to correct the problem before it got worse and contacted Capstone Roofing for a solution.

**SOLUTION:** The existing blisters were cut out and the resulting gaps filled with GacoRoofFoam 273 which was then ground down to match the roof surface profile. The roof was then coated using GacoFlex S2000 Solvent-Free 100% Silicone Coating which carries FM approval and provides a highly reflective, glossy finish that can reduce cooling costs as well as endure permanent ponding water without softening.

**UNIQUE CHARACTERISTICS:** A very bad hail storm swept through Phoenix while this roof was being worked on, resulting in significant damage to the part of the roof that already been repaired. Capstone Roofing was able to save this section by using GacoFlex S2000 to fill the indentations made by the hail rather than scarifying the surface and covering the entire roof with foam again.

**INSTALLATION DETAILS:** Temperatures reached 115°F while the GacoFlex S2000 Silicone Coating was being sprayed and had no impact on the application as silicone can be successfully applied in high temperatures. In contrast, acrylic roof coating would skin over and blister immediately if applied at these kinds of temperatures.