



Collaboration – Dedication - Integrity



Victor Valley Wastewater Reclamation Authority

Co-digesting and injecting RNG to the
pipeline through a P3 agreement

By: Darron Poulsen
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VWVRA Background

- Founded in 1978
- Serves 279 square mile area
- Treats 10.7 million gallons of wastewater per day





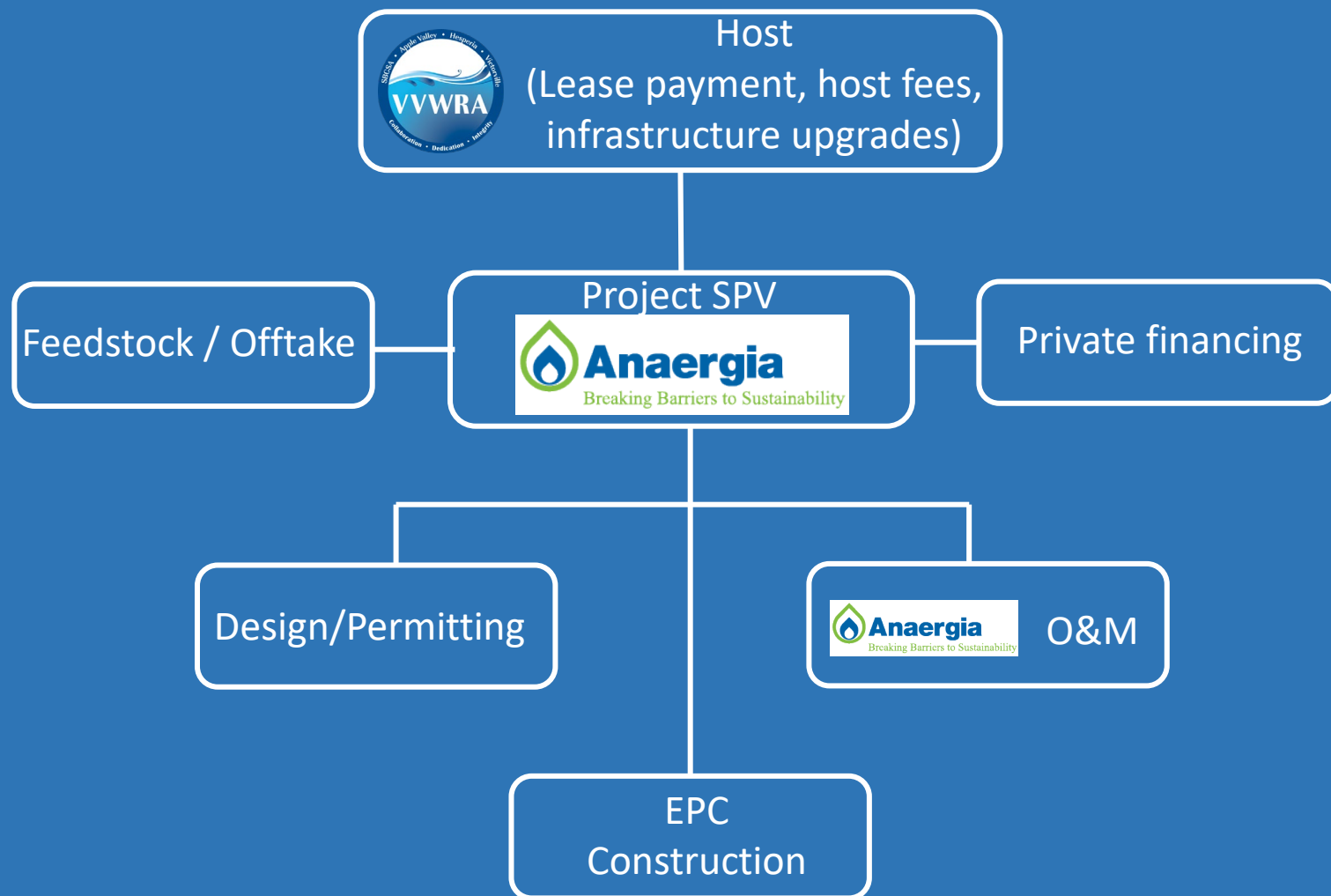
Project Goals

- **Objective:** Convert biogas from sludge and external organic waste into pipeline RNG.
- **Approach:** Expand upon successful co-digestion program with P3 delivery model to fund plant infrastructure needs.
- **P3 Delivery Model Benefits:**
 - Leverage private financing
 - Faster timeline for project delivery
 - Leverage industry technology and RNG expertise
 - De-risk with long term partnership between agency and company with mutual benefit
 - Improve plant infrastructure: redundancy, capacity, operational control.



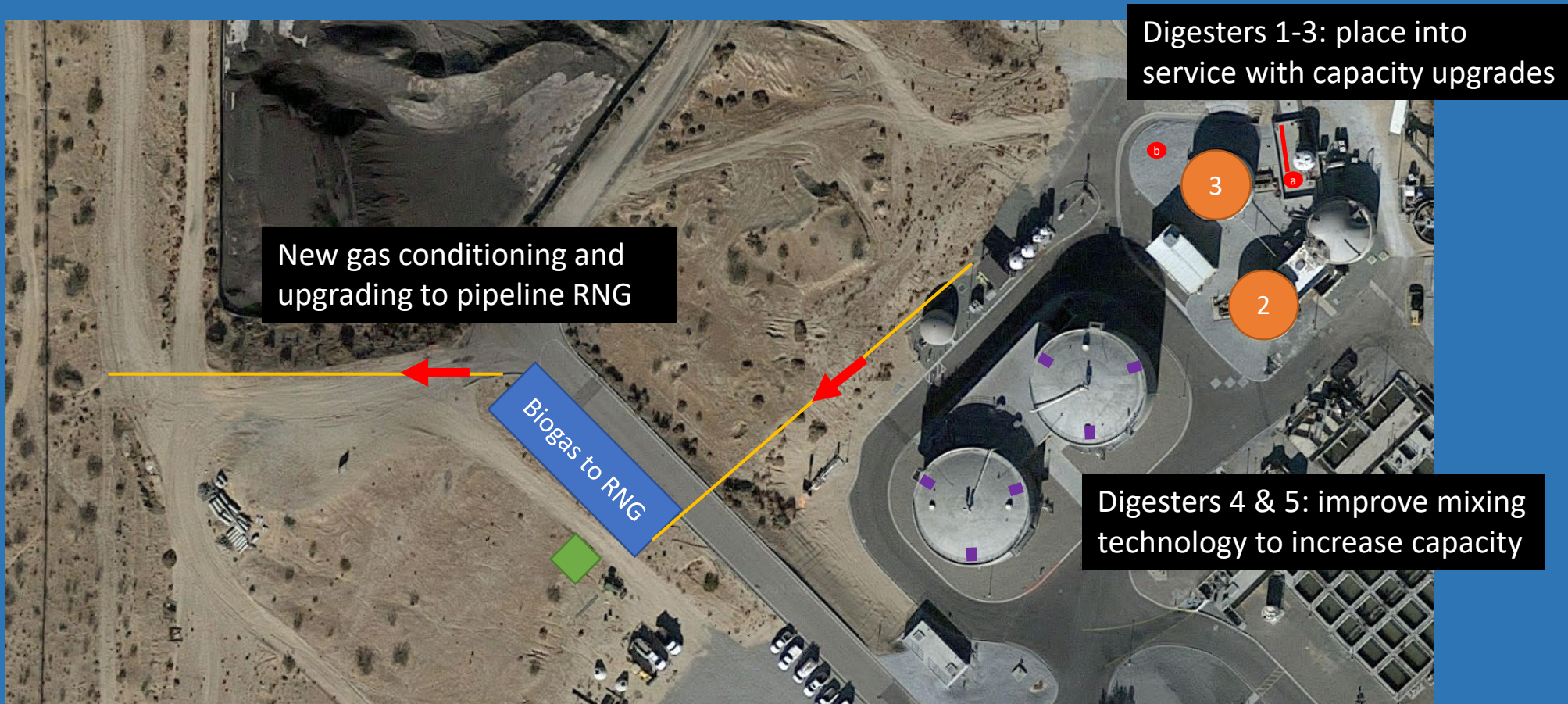
P3 Structure Benefits for a Public Agency

- **Risk allocation** is appropriate for a public agency with technical and financial risk assumed by P3 entity.
- **Responsibility appropriate for P3 areas of expertise:**
 - **P3 entity:** design, technology selection, construction, operation.
 - **Agency:** site, relationship with feedstock, know-how of infrastructure





Infrastructure Built by P3



P3 infrastructure increases digester capacity and generates revenue to fund future CIP needs



Leveraging existing infrastructure for co-digestion and RNG





Leveraging existing infrastructure for co-digestion and RNG



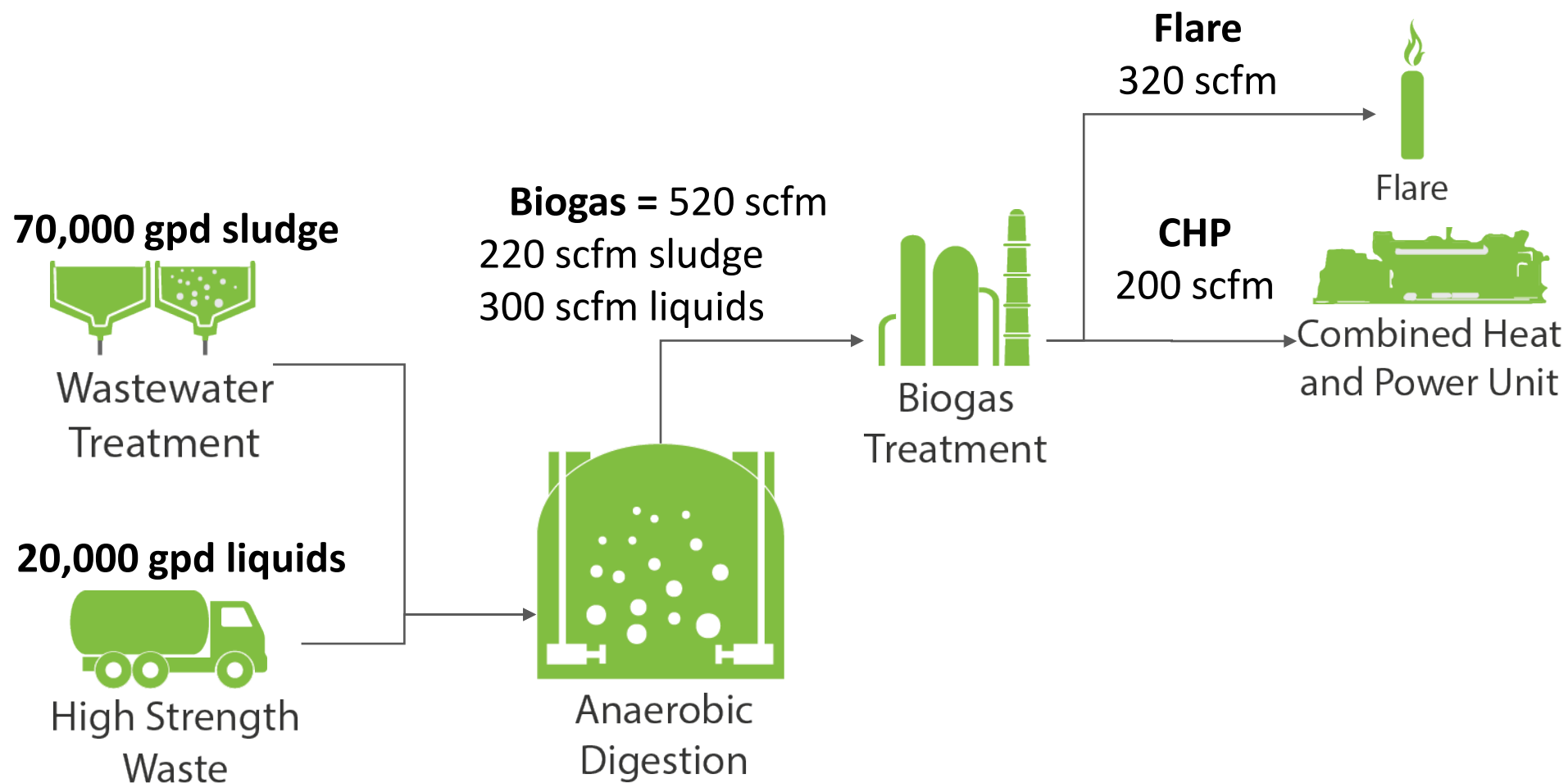


P3 structure enhances infrastructure, revenue, and resiliency



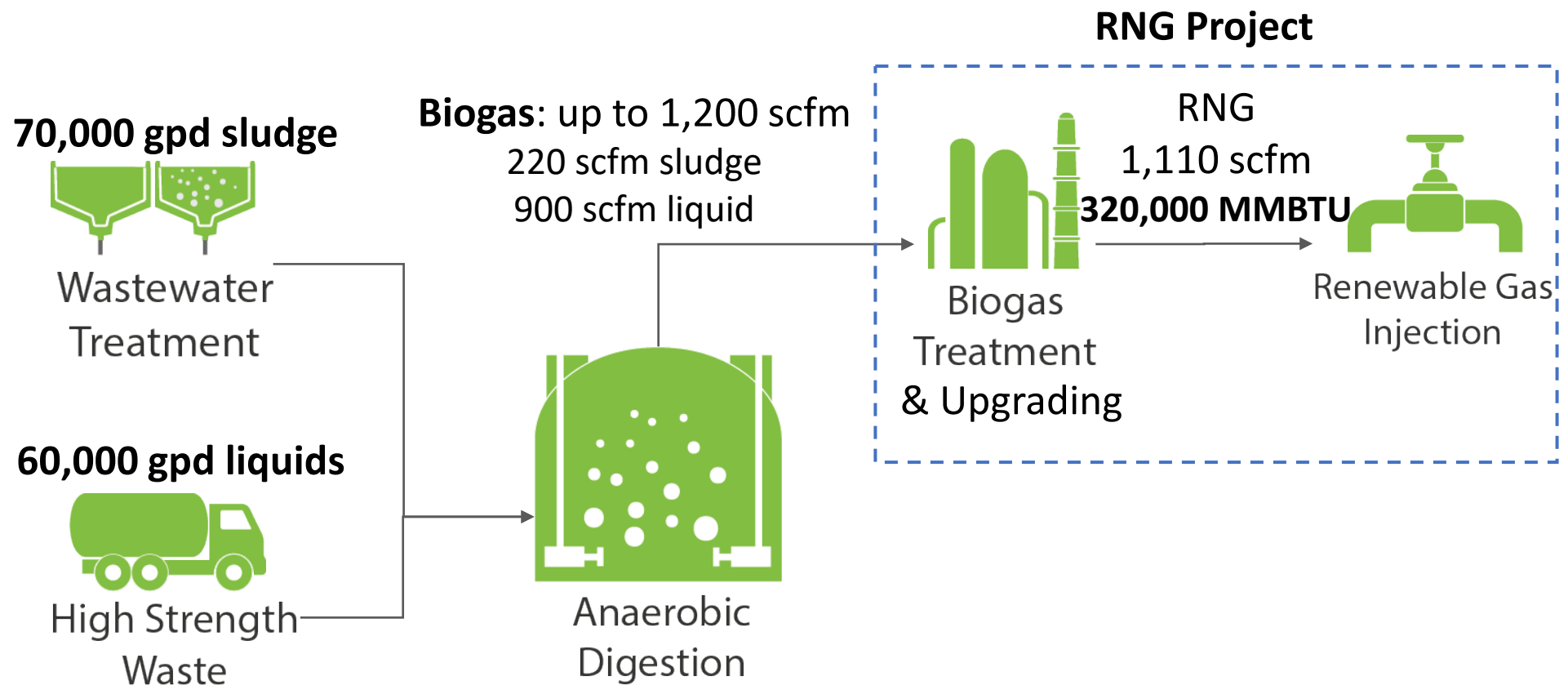


RNG Project – Previous Scenario





RNG Project – Retrofit





P3 structure enhances infrastructure, revenue, and resiliency





Questions?

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