



Project to Advance Direct Potable Reuse in Colorado

Direct Potable Reuse is when reused water is put directly into pipelines that go to a water treatment plant or distribution system.

WaterReuse Colorado is leading a collaborative project to facilitate the safe and effective adoption of Direct Potable Reuse in Colorado, using legally reusable water supplies, as an effective approach to help meet growing municipal demands.

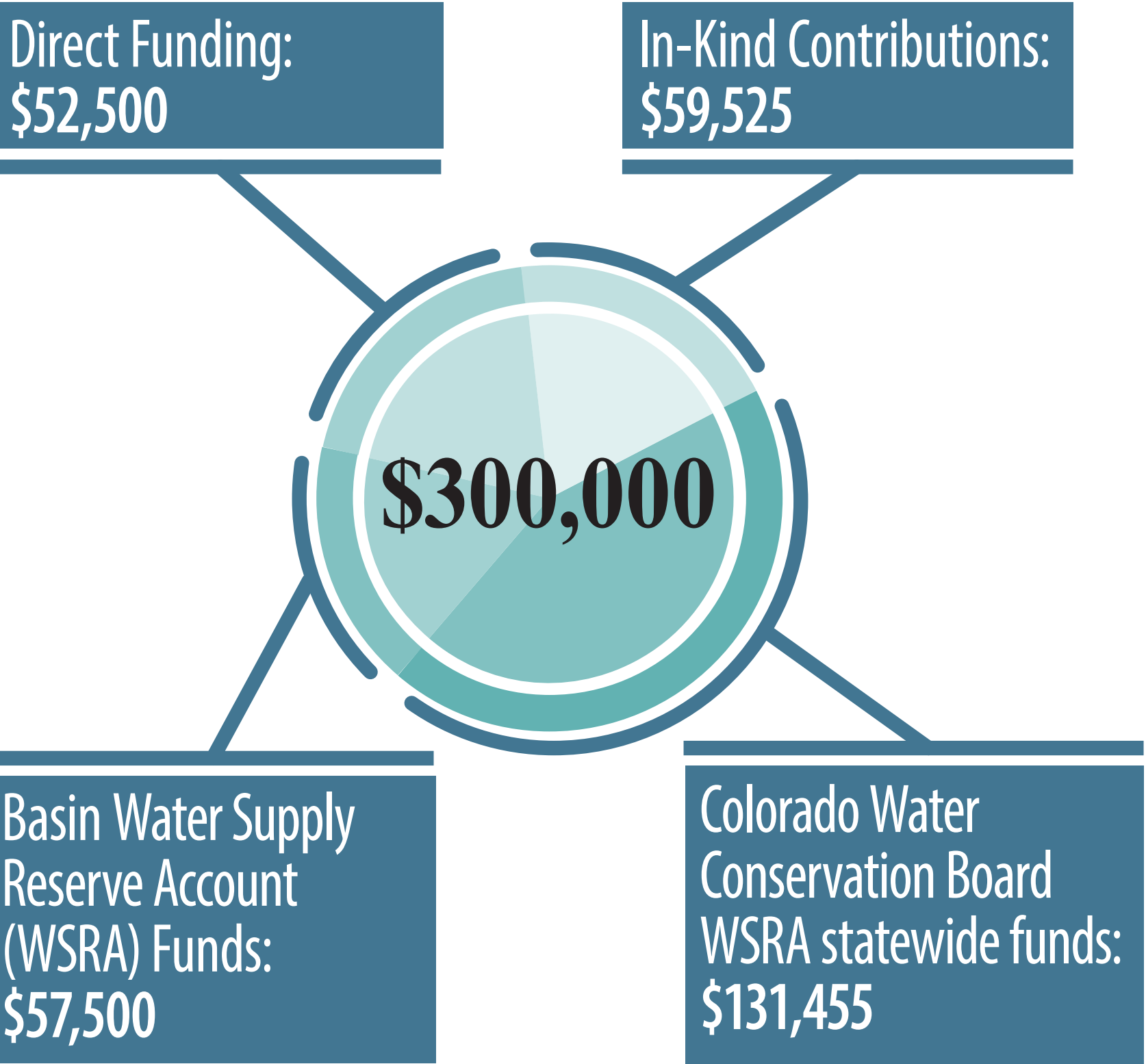
How? A three-pronged approach, shown at right.

- Document the basis for development of potential Direct Potable Reuse regulations in Colorado
- Bolster public understanding through outreach
- Assist Colorado utilities assessing Direct Potable Reuse

WHO WILL BE INVOLVED?

- | | |
|---|--|
| Water Providers | Regulators from CDPHE |
| Colorado Water Conservation Board Staff | Regulators and Utilities from Other States |
| National Experts | Research Institutions |
| Agricultural Interests | Environmental Interests |

Partners working to advance Direct Potable Reuse in Colorado include a broad-based coalition of water interests.



Basin Roundtables committing WSRA funding support:

- Metro
- Colorado
- South Platte
- North Platte

UTILITIES AND ORGANIZATIONS GENEROUSLY PROVIDING FUNDING AND IN-KIND SUPPORT:

- | | |
|--|--------------------------------------|
| ➤ City of Aurora | ➤ Plum Creek Reclamation Authority |
| ➤ Town of Castle Rock | ➤ South Metro Water Supply Authority |
| ➤ Centennial Water & Sanitation District | ➤ WaterReuse Colorado |
| ➤ Colorado Springs Utilities | ➤ WaterReuse Association |
| ➤ Denver Water | ➤ WaterReuse Research Foundation |
| ➤ MSK Consulting | ➤ Western Resource Advocates |

PROJECT TIMETABLE

start
MAY 2016

complete
DECEMBER 2016

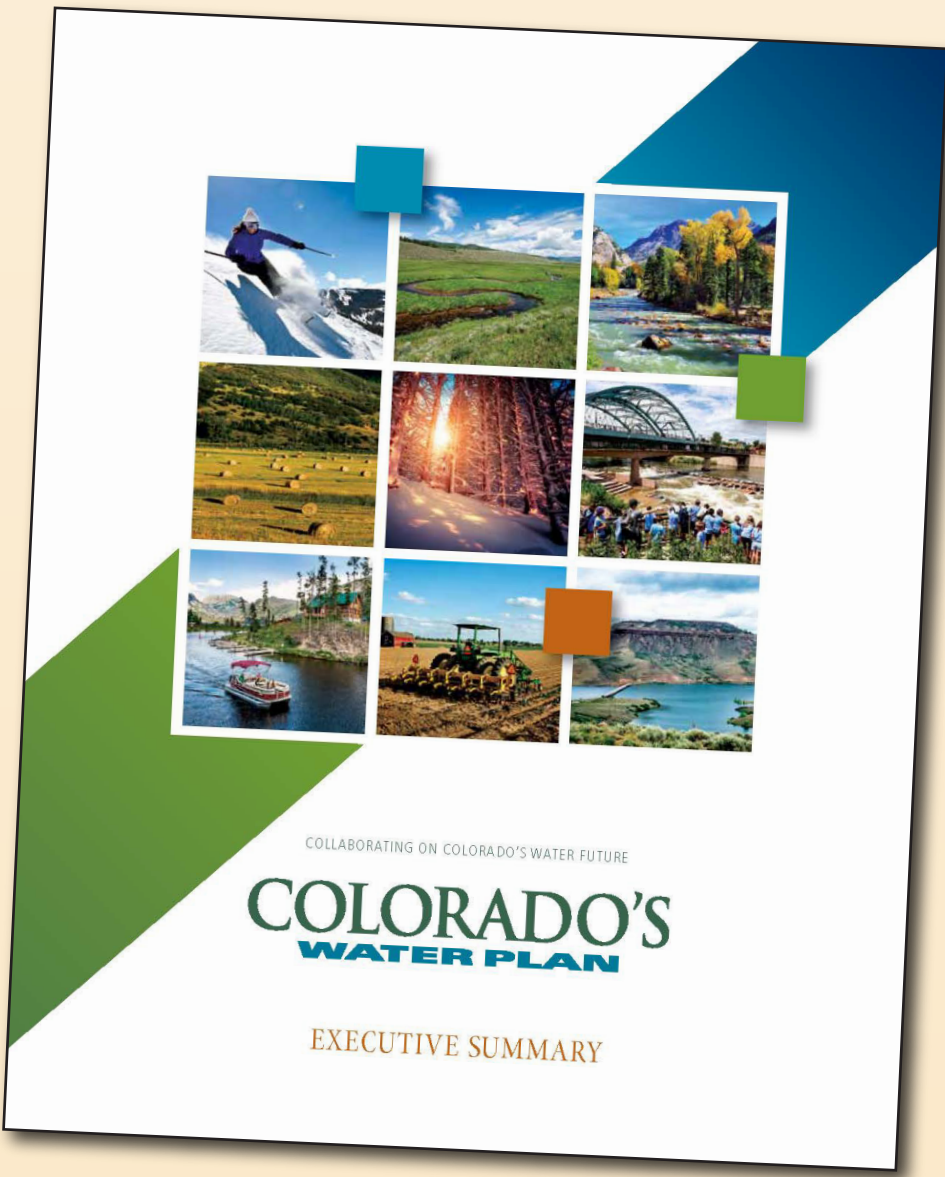
Reuse Can Help Eliminate the Supply–Demand Gap

The 2050 municipal and industrial (M&I) water supply gap will be as high as 560,000 acre-feet per year (AFY). That gap is a major percentage of the projected 1.5 million to 1.9 million AFY total 2050 M&I demand.

Per the Water Plan, “Widespread development of potable reuse will be an important facet of closing the future water supply-demand gap.”

The WaterReuse Colorado project helps pave the way for utilities that choose to incorporate Direct Potable Reuse into their water supply portfolios.

Like all water reuse projects, Direct Potable Reuse will be implemented using legally reusable water rights.



POTENTIAL BENEFITS OF POTABLE REUSE

- Year-round availability
- Less costly than developing new sources
- Higher yield than traditional reuse applications
- Energy efficient and sustainable



Cost-effective project will leverage Direct Potable Reuse research and implementation in other states and at the national level to advance Direct Potable Reuse in Colorado

