

LIST OF ABBREVIATIONS

%	percent
2015 IWMP	2015 Integrated Water Resources Master Plan
A.A.C.	Arizona Administrative Code
AACE	Association for the Advancement of Cost Engineers
AADF	average annual daily flow
ADD	average daily demand
ADEQ	Arizona Department of Environmental Quality
ADF	average daily flow
ADOT	Arizona Department of Transportation
ADWR	Arizona Department of Water Resources
AFY	acre-feet per year
AMAs	active management areas
AMWUA	Arizona Municipal Water Users Association
APP	Aquifer Protection Permit
ARV	air release valve
AS&R	annual storage and recovery
ASLD	Arizona State land Department
Avg	average
AWBA	Arizona Water Bank Authority
AWS	Assured Water Supply
AWSA	Arizona Water Settlement Act
AZPDES	Arizona Pollutant Discharge Elimination System
BID	Buckeye Irrigation District
CAGRD	Central Arizona Groundwater Replenishment District
CAP	Central Arizona Project
CAWCD	Central Arizona Water Conservation District
CECs	contaminants of emergency concern
cfs	cubic feet per second
CIP	Capital Improvement Plan
CIPP	cast-in-place pipe
City	City of Goodyear
CMOM	Capacity, Management, Operations, and Maintenance
CSIF	CAP-SRP Interconnect Facility
d/D	depth of dry weather flow to pipe diameter
D/DBPR	Stage 1 and Stage 2 Disinfectants/Disinfection By-Products Rule
DAWS	Designation of Assured Water Supply
DBPs	disinfection by-products
DEM	digital elevation model
DMOM	distribution management, operation and maintenance
DPR	direct potable reuse
EDU	equivalent dwelling unit
EMR	Estrella Mountain Ranch
FBRR	Filter Backwash Recycle Rule
fps	feet per second
ft bgs	feet below ground surface
ft/day	feet per day
ft/sec	feet per second
FY	fiscal year
GAC	granular activated carbon

GE	General Electric
General Plan	Goodyear 2025 General Plan
GIS	Geographic Information Services
GMA	Groundwater Management Act
gpad	gallons per acre per day
gpcd	gallons per capita per day
gpd	gallons per day
gpm	gallons per minute
GRIC	Gila River Indian Community
GSF	groundwater savings facilities
HERO	High Efficiency RO
HOA	Homeowners Association
hp	horsepower
HSI	HydroSystems, Inc.
IESWTR	Interim Enhanced Surface Water Treatment Rule
IFC	International Fire Code
IGFR	Irrigation Grandfathered Rights
IIP	2014 Infrastructure Improvement Plan
in	inch/inches
IWMP	Integrated Water Resources Master Plan
LCR	Lead and Copper Rule
LF	linear foot/feet
LS	lift station
LT2ESWTR	Long Term 2 Enhanced Surface Water Treatment Rule
LTSCs	long-term storage credits
M&I	municipal and industrial
MAF	million acre-feet
MAFY	million acre-feet per year
MAG	Maricopa Association of Governments
MCESD	Maricopa County Environmental Services Department
MD	maximum day
MD/AD	maximum day/average day
MDBP	microbial/disinfection by-product
MDD	maximum daily demand
MG	million gallons
mgd	million gallons per day
mi	mile/miles
MM	maximum monthly
MM/AD	maximum month/average day
MM/ADD	maximum month to average daily demand
MOV	motor operated valve
MPA	Municipal Planning Area
MSIDD	Maricopa Stanfield Irrigation District
MWD	Maricopa Water District
NIA	non-Indian agricultural
NPDES	National Pollutant Discharge Elimination System
PCE	tetrachloroethylene
PGA	Phoenix Goodyear Airport
PGAN	Phoenix Goodyear Airport North
PGAS	Phoenix Goodyear Airport South
PH/AD	peak hour/average day

PH/MD	peak hour/maximum day
PHF	peak hour flow
PRP	principle responsible party
PRVs	pressure reducing valves
PS	pump station
psi	pounds per square inch
PWSs	public water systems
RAS	return activated sludge
RID	Roosevelt Irrigation District
RO	reverse osmosis
RUSRA	Artificial Recharge and Underground Storage and Recovery Act
RV	Rainbow Valley
SAT	soil aquifer treatment
SCADA	supervisory control and data acquisition
SDWA	Safe Drinking Water Act
SOPs	standard operating procedures
SPC	system pressure criteria
SRP	Salt River Project
SSOs	sanitary sewer overflows
SWTR	Surface Water Treatment Rule
TCE	trichloroethylene
TCR	Total Coliform Rule
TDS	total dissolved solids
THM	trihalomethane
UAW	unaccounted for water
UCMR	Unregulated Contaminant Monitoring Rule
US&R	underground storage and recovery
USBR	United States Bureau of Reclamation
USEPA	United States Environmental Protection Agency
USF	Underground Storage Facility Permit
USGS	United States Geological Survey
VCP	vitrified clay pipe
VFDs	variable frequency drives
VIP	vadose zone injection project
VZ	vadose
WAIV	wind aided intensified evaporation
WAS	waste activated sludge
WPA	water planning area
WQARF	Water Quality Assurance Revolving Fund
WRF	water reclamation facility
WS	Water Storage Permit
WSRV	West Salt River Valley
WTP	water treatment plant