

**MDO/MHO Transfer Routes**  
 Consistent with Rate Schedule OPAS  
 Section 5.1(c)

Shipper	D-Code	Route	Meter #	Meter Description	Order	Footnote
Arizona Public Service	DAPS PHX	DAPS PHX1	14552	REDHAWK DELIVERY POINT	1	
Arizona Public Service	DAPS PHX	DAPS PHX1	14553			
Arizona Public Service	DAPS PHX	DAPS PHX1	20566	OCOTILLO POWER PLANT	2	2
Arizona Public Service	DAPS PHX	DAPS PHX1	30596			
Arizona Public Service	DAPS PHX	DAPS PHX1	32549	WEST PHOENIX POWER PLANT	3	2
Arizona Public Service	DAPS PHX	DAPS PHX1	14551	SUNDANCE POWER PLANT	4	
City of Mesa	DMESAPHX	DMESAPHX1	30805	MESA #1	1	1
City of Mesa	DMESAPHX	DMESAPHX1	30062	MESA NO 2	2	2
City of Mesa	DMESAPHX	DMESAPHX1	34861	MESA NO 3	3	
City of Mesa	DMESAPHX	DMESAPHX1	34820	GANTZEL METER STATION	4	
City of Safford	DSAFFG-M	DSAFFG-M1	20575	SAFFORD CITY GATE #2	1	
City of Safford	DSAFFG-M	DSAFFG-M1	30074	SAFFORD S.G. #1	2	
Duncan Rural Services	DDUN G-M	DDUN G-M1	20059	DUNCAN NO 2	1	
Duncan Rural Services	DDUN G-M	DDUN G-M1	20060	FRANKLIN	2	
Duncan Rural Services	DDUN G-M	DDUN G-M1	20058	DUNCAN NO 1	3	
Graham County Utilities	DGRHMG-M	DGRHMG-M1	20055	BYLAS	1	
Graham County Utilities	DGRHMG-M	DGRHMG-M1	20062	GERONIMO	2	
Graham County Utilities	DGRHMG-M	DGRHMG-M1	20061	FORT THOMAS	3	
Graham County Utilities	DGRHMG-M	DGRHMG-M1	20065	MOODY	4	
Graham County Utilities	DGRHMG-M	DGRHMG-M1	20356	PIMA #2	5	
Graham County Utilities	DGRHMG-M	DGRHMG-M1	20066	PIMA	6	
Graham County Utilities	DGRHMG-M	DGRHMG-M1	20056	CENTRAL	7	
Graham County Utilities	DGRHMG-M	DGRHMG-M1	20070	THATCHER NO 2	8	
Graham County Utilities	DGRHMG-M	DGRHMG-M1	20069	THATCHER NO 1	9	
Graham County Utilities	DGRHMG-M	DGRHMG-M1	20063	LEE	10	
Graham County Utilities	DGRHMG-M	DGRHMG-M1	20057	CLUFF LAYTON	11	
Graham County Utilities	DGRHMG-M	DGRHMG-M2	20064	LONE STAR	1	
Graham County Utilities	DGRHMG-M	DGRHMG-M2	20068	SOLOMON	2	
Graham County Utilities	DGRHMG-M	DGRHMG-M2	20067	SAN JOSE	3	
PNM Gas Services	DGCNMDUG	DGCNMDUG1	20363	I B RICHARDS NM	1	
PNM Gas Services	DGCNMDUG	DGCNMDUG1	20366	ROSALIO ALBA NM	2	
PNM Gas Services	DGCNMDUG	DGCNMDUG1	20051	RODEO #1 NM	3	
PNM Gas Services	DGCNMDUG	DGCNMDUG1	30159	ANIMAS NORTH	4	2
PNM Gas Services	DGCNMDUG	DGCNMDUG1	20247	ANIMAS SOUTH	5	
PNM Gas Services	DGCNMDUG	DGCNMDUG1	20285	RED MOUNTAIN N M	6	
PNM Gas Services	DGCNMDUG	DGCNMDUG1	20420	DEMING GIN	7	
PNM Gas Services	DPNM HUR	DPNM HUR1	30054	SILVER CITY NEW MEXICO	1	
PNM Gas Services	DPNM HUR	DPNM HUR1	20402	REESE MINING & MFG CO	2	
Salt River Project	DSRP PHX	DSRP PHX1	20557			
Salt River Project	DSRP PHX	DSRP PHX1	30250	AGUA FRIA	1	1
Salt River Project	DSRP PHX	DSRP PHX1	31798			
Salt River Project	DSRP PHX	DSRP PHX1	34810	KYRENE	2	2
Salt River Project	DSRP PHX	DSRP PHX1	34811			
Salt River Project	DSRP PHX	DSRP PHX1	31983	SANTAN POWER PLANT	3	2
Salt River Project	DSRP PHX	DSRP PHX1	14978	DESERT BASIN POWER PLANT	4	
Salt River Project	DSRP PHX	DSRP PHX1	34893	MESQUITE POWER PLANT BLOCK 1	5	2
Salt River Project	DSRP PHX	DSRP PHX1	34851	SNOW BIRD	6	
Southwest Gas Corporation	DSWG BSB	DSWG BSB1	34902	DOUBLE ADOBE	1	
Southwest Gas Corporation	DSWG BSB	DSWG BSB1	31270	WARREN BISBEE CITY GATE	2	
Southwest Gas Corporation	DSWG BSB	DSWG BSB1	20016	NACO	3	
Southwest Gas Corporation	DSWG DGN	DSWG DGN1	20007	DOUGLAS NO 4 31-691	1	
Southwest Gas Corporation	DSWG DGN	DSWG DGN1	30916	EL FRIDA	2	
Southwest Gas Corporation	DSWG DGN	DSWG DGN1	20383	MCNEAL	3	
Southwest Gas Corporation	DSWG DGN	DSWG DGN1	20195	TOMBSTONE	4	
Southwest Gas Corporation	DSWG DGN	DSWG DGN1	20175	ST DAVID	5	

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Southwest Gas Corporation	DSWG DUG	DSWG DUG1	20398	COCHISE JUNIOR COLLEGE	1	
Southwest Gas Corporation	DSWG DUG	DSWG DUG1	20005	DOUGLAS NO 2	2	
Southwest Gas Corporation	DSWG DUG	DSWG DUG1	20006	DOUGLAS NO 3	3	
Southwest Gas Corporation	DSWG DUG	DSWG DUG1	27497	APACHE	4	
Southwest Gas Corporation	DSWG G-M	DSWG G-M1	31708	MIAMI NO 2	1	
Southwest Gas Corporation	DSWG G-M	DSWG G-M1	30134	GLOBE NO 1	2	
Southwest Gas Corporation	DSWG G-M	DSWG G-M1	20019	GLOBE NO 2	3	
Southwest Gas Corporation	DSWG G-M	DSWG G-M1	20353	SAN CARLOS	4	
Southwest Gas Corporation	DSWG GME	DSWG GME1	30026	MIAMI NO 1	1	
Southwest Gas Corporation	DSWG GME	DSWG GME1	20021	MIAMI NO 4	2	
Southwest Gas Corporation	DSWG GME	DSWG GME1	20300	HOOPES LIME KILN 30-190	3	
Southwest Gas Corporation	DSWG HAY	DSWG HAY1	20023	MAMMOTH	1	
Southwest Gas Corporation	DSWG HAY	DSWG HAY1	20299	KEARNEY	2	2
Southwest Gas Corporation	DSWG HAY	DSWG HAY1	20112	HAYDEN	3	2
Southwest Gas Corporation	DSWG HAY	DSWG HAY1	20586	KENNECOTT LEACHING PLANT	4	2
Southwest Gas Corporation	DSWG HAY	DSWG HAY1	31566			
Southwest Gas Corporation	DSWG HAY	DSWG HAY1	34719	SPACE RANCH	5	
Southwest Gas Corporation	DSWG HAY	DSWG HAY2	20370	CORTARO WATER USERS	1	
Southwest Gas Corporation	DSWG HAY	DSWG HAY2	20532	TRICO ELECT COOP 30-096	2	
Southwest Gas Corporation	DSWG HAY	DSWG HAY2	20533	HURST	3	
Southwest Gas Corporation	DSWG HAY	DSWG HAY2	20528	HARRY L CHAFFEE	4	
Southwest Gas Corporation	DSWG MOR	DSWG MOR1	31655	MORENCI C 20-102	1	
Southwest Gas Corporation	DSWG MOR	DSWG MOR1	20103	MORENCI D	2	
Southwest Gas Corporation	DSWG MOR	DSWG MOR1	20100	CLIFTON A	3	
Southwest Gas Corporation	DSWG N78	DSWG N78-1	20574	J R HELLER	1	
Southwest Gas Corporation	DSWG N78	DSWG N78-1	34847	EL MORAGA	2	
Southwest Gas Corporation	DSWG N78	DSWG N78-1	20576	C E HANDY	3	
Southwest Gas Corporation	DSWG N78	DSWG N78-1	30663	CORTARO CITY GATE	4	
Southwest Gas Corporation	DSWG N78	DSWG N78-1	20612			
Southwest Gas Corporation	DSWG N78	DSWG N78-1	30091	NORTH LOOP SUBSTATION	5	
Southwest Gas Corporation	DSWG N78	DSWG N78-1	31682			
Southwest Gas Corporation	DSWG N78	DSWG N78-1	31344	LATERAL NO 8	6	
Southwest Gas Corporation	DSWG N78	DSWG N78-2	20203	MARANA AIR BASE	1	
Southwest Gas Corporation	DSWG N78	DSWG N78-2	20345	RED ROCK	2	
Southwest Gas Corporation	DSWG N78	DSWG N78-2	20145	J D SINGH T 11	3	
Southwest Gas Corporation	DSWG N78	DSWG N78-2	30136	PICACHO T 15	4	
Southwest Gas Corporation	DSWG N78	DSWG N78-2	20107	ELOY NO 1	5	
Southwest Gas Corporation	DSWG N78	DSWG N78-2	20147	B J BROOKS T 13	6	
Southwest Gas Corporation	DSWG N78	DSWG N78-2	20108	ELOY NO 2	7	
Southwest Gas Corporation	DSWG N78	DSWG N78-2	34827	ROBSON RANCH	8	
Southwest Gas Corporation	DSWG N78	DSWG N78-2	20149	LE ROY HACKLER T 16	9	
Southwest Gas Corporation	DSWG N78	DSWG N78-2	20140	JOHN D SINGH P 3	10	
Southwest Gas Corporation	DSWG N78	DSWG N78-3	20472	VILLAGE OF SACATON	1	
Southwest Gas Corporation	DSWG N78	DSWG N78-3	20358	CASA GRANDE CITY GATE #3	2	
Southwest Gas Corporation	DSWG N78	DSWG N78-4	20518	PARADISE ESTATES 31-556	1	
Southwest Gas Corporation	DSWG N78	DSWG N78-4	31558	DREXEL HEIGHTS 20-198	2	
Southwest Gas Corporation	DSWG N78	DSWG N78-5	20110	ETHINGTON NO 3 R 1	1	
Southwest Gas Corporation	DSWG N78	DSWG N78-5	34176	HEXEL	2	
Southwest Gas Corporation	DSWG N78	DSWG N78-5	31966	R-5 ALBERT FORBACK	3	
Southwest Gas Corporation	DSWG N78	DSWG N78-6	30064	CASA GRANDE NO 2	1	
Southwest Gas Corporation	DSWG N78	DSWG N78-6	30312	CASA GRANDE NO 1	2	
Southwest Gas Corporation	DSWG NOG	DSWG NOG1	34832	ARIVACA	1	
Southwest Gas Corporation	DSWG NOG	DSWG NOG1	31524	TWIN BUTTES	2	
Southwest Gas Corporation	DSWG NOG	DSWG NOG1	20502	RUBY STAR	3	

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Southwest Gas Corporation	DSWG PHW	DSWG PHW1	30433	GLENDALE CITY GATE	1	1
Southwest Gas Corporation	DSWG PHW	DSWG PHW1	31079	OLIVE AVENUE	2	
Southwest Gas Corporation	DSWG PHW	DSWG PHW1	31656	BELL ROAD	3	
Southwest Gas Corporation	DSWG PHW	DSWG PHW1	20590	VENTANA LAKES (34-265)	4	
Southwest Gas Corporation	DSWG PHW	DSWG PHW1	20475	ARROWHEAD RANCHES	5	
Southwest Gas Corporation	DSWG PHW	DSWG PHW1	34227	NORTH PHX. CITY GATE	6	
Southwest Gas Corporation	DSWG PHW	DSWG PHW1	20425	CAVE CREEK 31-312	7	
Southwest Gas Corporation	DSWG PHW	DSWG PHW1	34826	LAKE PLEASANT	8	
Southwest Gas Corporation	DSWG PHW	DSWG PHW1	14906	DESERT HILLS DELIVERY POINT	9	
Southwest Gas Corporation	DSWG PHW	DSWG PHW1	20427	NEW RIVER	10	
Southwest Gas Corporation	DSWG PHW	DSWG PHW2	30433	GLENDALE CITY GATE	1	1
Southwest Gas Corporation	DSWG PHW	DSWG PHW2	14967	GLENDALE AIRPORT DEL	2	
Southwest Gas Corporation	DSWG PHW	DSWG PHW2	34796	GARDEN LAKES	3	
Southwest Gas Corporation	DSWG PHW	DSWG PHW2	30249	LATERAL 25	4	
Southwest Gas Corporation	DSWG PHW	DSWG PHW3	30032	LATERAL 16	1	
Southwest Gas Corporation	DSWG PHW	DSWG PHW3	31376	SOUTHERN AVENUE	2	
Southwest Gas Corporation	DSWG PHW	DSWG PHW3	20024	LAVEEN	3	
Southwest Gas Corporation	DSWG PHX	DSWG PHX1	30855	SCOTTSDALE	1	1
Southwest Gas Corporation	DSWG PHX	DSWG PHX1	20588	ANOZIRA	2	
Southwest Gas Corporation	DSWG PHX	DSWG PHX1	30030	CHANDLER NO 2	3	2
Southwest Gas Corporation	DSWG PHX	DSWG PHX1	14968	CHANDLER #4 DELIVERY POINT	4	3
Southwest Gas Corporation	DSWG PHX	DSWG PHX1	34806	GILBERT CITY GATE	5	
Southwest Gas Corporation	DSWG PHX	DSWG PHX1	34837	GERMANN	6	
Southwest Gas Corporation	DSWG PHX	DSWG PHX1	34838	NEW FLORENCE	7	
Southwest Gas Corporation	DSWG PHX	DSWG PHX2	34782	CAPITOL FOUNDRY	1	
Southwest Gas Corporation	DSWG PHX	DSWG PHX2	30031	GUADALUPE	2	
Southwest Gas Corporation	DSWG PHX	DSWG PHX2	31663	THE LAKES METER STATION	3	
Southwest Gas Corporation	DSWG PHX	DSWG PHX2	30467	SOUTH TEMPE	4	
Southwest Gas Corporation	DSWG PHX	DSWG PHX2	34636	WEST CHANDLER GIN	5	
Southwest Gas Corporation	DSWG PHX	DSWG PHX3	30029	CHANDLER NO 1	1	
Southwest Gas Corporation	DSWG PHX	DSWG PHX3	34780	DOBSON ROAD	2	
Southwest Gas Corporation	DSWG PHX	DSWG PHX3	20524	PIMA-CHANDLER INDUST PK	3	
Southwest Gas Corporation	DSWG PHX	DSWG PHX3	30855	SCOTTSDALE	4	1 & 2
Southwest Gas Corporation	DSWG PHX	DSWG PHX3	20409	LONE BUTTE RANCH	5	
Southwest Gas Corporation	DSWG PHX	DSWG PHX3	34790	FOOTHILLS CLUB WEST	6	
Southwest Gas Corporation	DSWG S78	DSWG S78-1	30148	TUCSON CITY GATE EAST	1	1
Southwest Gas Corporation	DSWG S78	DSWG S78-1	34845	VALENCIA	2	
Southwest Gas Corporation	DSWG S78	DSWG S78-1	30931	HOUGHTON ROAD	3	
Southwest Gas Corporation	DSWG S78	DSWG S78-1	34878	COLOSSAL CAVE	4	
Southwest Gas Corporation	DSWG S78	DSWG S78-1	20209	VAIL CITY GATE	5	
Southwest Gas Corporation	DSWG S78	DSWG S78-2	30148	TUCSON CITY GATE EAST	1	1
Southwest Gas Corporation	DSWG S78	DSWG S78-2	20467	FLETCHER RANCH	2	
Southwest Gas Corporation	DSWG S78	DSWG S78-3	34843	ALVERNON CITY GATE DELIVERY	1	
Southwest Gas Corporation	DSWG S78	DSWG S78-3	34842	UNIVERSITY OF ARIZONA RESEARCH	2	
Southwest Gas Corporation	DSWG SJW	DSWG SJW1	31658	BULLHEAD CITY	1	
Southwest Gas Corporation	DSWG SJW	DSWG SJW1	20595	TIERRA VERDE (34-457)	2	
Southwest Gas Corporation	DSWG SJW	DSWG SJW1	20594	SAM JOY CITY GATE	3	
Southwest Gas Corporation	DSWG SJW	DSWG SJW1	34789	GOLDEN SHORES	4	
Southwest Gas Corporation	DSWG SUP	DSWG SUP1	20113	SUPERIOR	1	
Southwest Gas Corporation	DSWG SUP	DSWG SUP1	20044	RAY SONORA	2	
Southwest Gas Corporation	DSWG SUP	DSWG SUP1	20519	SUPERIOR CITY GATE #2	3	
Southwest Gas Corporation	DSWG SUP	DSWG SUP1	20322	ARIZONA WATER CO S 34	4	2
Southwest Gas Corporation	DSWG SUP	DSWG SUP1	20115	FEDERAL PRISON S 1	5	2
Southwest Gas Corporation	DSWG SUP	DSWG SUP1	30430	FLORENCE CITY GATE	6	
Southwest Gas Corporation	DSWG SUP	DSWG SUP1	20105	COOLIDGE NO 2	7	
Southwest Gas Corporation	DSWG SUP	DSWG SUP1	34794	S-5 FLORENCE CITY GATE #3	8	
Southwest Gas Corporation	DSWG SUP	DSWG SUP1	20549	ARCOTA STEEL MILL 30-760	9	2
Southwest Gas Corporation	DSWG SUP	DSWG SUP1	30065	COOLIDGE NO 1 T-2	10	
Southwest Gas Corporation	DSWG SUP	DSWG SUP1	20106	COOLIDGE NO 3	11	
Southwest Gas Corporation	DSWG SUP	DSWG SUP1	20142	J A ROBERTS S 25	12	

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Southwest Gas Corporation	DSWG YUM	DSWG YUM1	20382	SOMERTON	1	
Southwest Gas Corporation	DSWG YUM	DSWG YUM1	31922	YUMA WEST 20-570	2	
Southwest Gas Corporation	DSWG YUM	DSWG YUM1	34793	YUMA COGENERATION	3	
Southwest Gas Corporation	DSWG YUM	DSWG YUM1	30039	YUMA CITY GATE	4	
Southwest Gas Corporation	DSWG YUM	DSWG YUM1	31642	YUMA-MESA IRRIGATION AREA	5	2
Southwest Gas Corporation	DSWG YUM	DSWG YUM1	30199	SAUNDERS MILLS	6	
Southwest Gas Corporation	DSWG YUM	DSWG YUM1	34813	AVENUE 7E DELIVERY	7	
Southwest Gas Corporation	DSWG YUM	DSWG YUM1	20385	ARIZONA WESTERN COLLEGE	8	
Southwest Gas Corporation	DSWG YUM	DSWG YUM1	20601	YUMA FOOTHILLS TAP	9	
Southwest Gas Corporation	DSWG YUM	DSWG YUM1	20534	W J SMALL	10	
Southwest Gas Corporation	DSWG YUM	DSWG YUM1	20331	TANNER PAVING	11	
Texas Gas Services	DSUG ELP	DSUG ELP1	31861	EL PASO CITY GATE #3	1	
Texas Gas Services	DSUG ELP	DSUG ELP1	20585	HOMESTEAD MEADOWS	2	
Texas Gas Services	DSUG ELP	DSUG ELP2	20599	U S BOUNDARY COMMISSION	1	
Texas Gas Services	DSUG ELP	DSUG ELP2	30014	PIEDMONT HGTS	2	
Texas Gas Services	DSUG ELP	DSUG ELP2	20371	VOWELL ASPHALT PLANT	3	
Texas Gas Services	DSUG ELP	DSUG ELP2	20082	BUENA VISTA TEX	4	
Texas Gas Services	DSUG ELP	DSUG ELP2	20602	COUNTRY CLUB	5	
Texas Gas Services	DSUG ELP	DSUG ELP2	31507	CORONADO	6	
Texas Gas Services	DSUG ELP	DSUG ELP2	30769	BILTMORE TEXAS	7	
Texas Gas Services	DSUG ELP	DSUG ELP2	31894	THREE HILLS	8	
Texas Gas Services	DSUG ELP	DSUG ELP2	31013	BORDER STEEL TEXAS	9	
Texas Gas Services	DSUG ELP	DSUG ELP2	20598	FLYING J	10	
UNS Gas, Inc	DCITZNOG	DCITZNOG1	31559	NOGALES #2	1	
UNS Gas, Inc	DCITZNOG	DCITZNOG1	34550	NOGALES #3	2	
UNS Gas, Inc	DCITZNOG	DCITZNOG1	20525	RIO RICO	3	
UNS Gas, Inc	DCITZNOG	DCITZNOG1	20521	TUBAC	4	
UNS Gas, Inc	DCITZNOG	DCITZNOG1	20522	AMADO	5	
UNS Gas, Inc	DCITZNOG	DCITZNOG2	30040	NOGALES	1	
UNS Gas, Inc	DCITZNOG	DCITZNOG2	20050	TUCSON RD SALES	2	
UNS Gas, Inc	DCITZNOG	DCITZNOG2	20193	PATAGONIA	3	
UNS Gas, Inc	DCITZPHX	DCITZPHX1	20394	BLACK CANYON	1	
UNS Gas, Inc	DCITZPHX	DCITZPHX1	20571	SPRING VALLEY	2	
UNS Gas, Inc	DCITZPHX	DCITZPHX1	20273	MAYER	3	
UNS Gas, Inc	DCITZPHX	DCITZPHX1	20274	HUMBOLDT	4	
UNS Gas, Inc	DCITZPHX	DCITZPHX1	31981	FAIN LAND & CATTLE CO	5	
UNS Gas, Inc	DCITZPHX	DCITZPHX1	34756	PRESCOTT VALLEY #2	6	
UNS Gas, Inc	DCITZPHX	DCITZPHX1	28304	PRESCOTT VALLEY # 1	7	

**Footnotes:**

1. Only a percentage of the unused MDO is allowed to transfer to upstream meters on the specified path.
2. Unused MDO can transfer to upstream meters, but MDO transferred from downstream meters cannot be applied at this meter.
3. Only allowed to transfer downstream MDO from meters located on the same lateral. Can transfer all unused MDO to upstream meters.