

NEW MEDICO'S UPPER COLORADO RIVER APPORTIONMENT

Upper Basin yield with 7.5 million acre-feet annually (maf) released to the Lower Basin = 6.4 maf (USDI 1988 hydrologic determination¹)

6.4 maf less 50,000 acre-feet to Arizona x 11.25% (NM apportionment) = 714,000 acre-feet;
Salvage by use upstream of Lee Ferry, NM Share = 13,000 acre-feet;
714,000 plus 13,000 = 727,000 acre-feet per year, total depletion available at site of use

Existing and authorized uses from New Mexico's apportionment

Navajo Indian Irrigation: 1,000 AF

| | |
|----------------------------------|---------------------------|
| Hogback and Extension | 28.5 ² |
| Cuedi | 0.9 |
| Fruitland | 7.9 |
| Chaco and Whiskey Creek | 3.4 <i>see from above</i> |
| Navajo Indian Irrigation Project | 254.0 ³ |

Jicarilla Indian Irrigation

Above Navajo Dam 0.6 - ?

Non-Indian Irrigation

| | |
|------------------|------|
| Above Navajo Dam | 1.3 |
| Upper San Juan | 8.2 |
| Hammond | 9.2 |
| Animas | 31.1 |
| La Plata | 5.1 |
| Westwater | 0.1 |
| Farmers Mutual | 8.7 |
| Jewett | 2.8 |
| Chaco | 0.7 |

¹USDI used, for planning purposes, a release of 8.25 maf to Lower Basin in reporting to Congress on water available from the Navajo Reservoir Supply, pursuant to P.L. 87-483.

²Includes 16,400 acre-feet transferred to NIIP in Section 7 Consultation.

³USDI uses 267,000 acre-feet for NIIP depletion based on irrigation of 110,630 acres each year which assumes no fallow land.

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|---|--------------------------|
| Municipal and Industrial | <u>1,000 AF</u> |
| Farmington, Aztec, etc. | 8.9 |
| Industrial - Bloomfield | 2.5 |
| Scattered Rural Domestic | 1.4 |
| San Juan Power Plant w/o BPH Lease | 16.2 |
| BPH (Four Corners inc. lease to PNM) | 39.0 |
| Miscellaneous | |
| Stock Ponds | 4.3 |
| Fish and Wildlife | 1.4 |
| Small Contracts | 1.5 ⁴ |
| Other | |
| San Juan-Chama Project | 110.0 |
| Animas-La Plata Project | 34.0 → 14.0 |
| Jicarilla Indian Settlement | 25.5 |
| Navajo Reservoir Evaporation | 26.0 |
| CRSP Reservoir Evaporation | 58.0 |
| Total Existing Uses and Authorized Projects | 691.2 |
| Reserve for NIIP @ 110,630 acres/year | 13.0 ³ |
| Potential Navajo - Gallup pipeline | 22.8 ⁵ → 42.8 |
| Total | 727.0 |

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Navajo Irrig. 307.7 304 w/out ...
 vs.
 ... 315.0 (43 NIIP)
 (14.3 H/F/C)
 (48)
 Navajo ... I - ... 26.0

⁴Some are short term contracts

⁵Residual within 727.0 maf apportionment



NEW MEXICO ANTICIPATED DEPLETION SCHEDULE

| Year | 1990 | 2000 | 2010 | 2020 | 2030 | 2040 | 2050 | 2060 |
|------------------------------|------|------|------|------|------|------|------|------|
| 1965 Framework Study (1) | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 |
| 1966-1999 Changes | | | | | | | | |
| Agricultural- Irrig. & Stock | | | | | | | | |
| Indian | 6 | 0 | 3 | 6 | 6 | 6 | 6 | 6 |
| Federal | | | | | | | | |
| Hogback Extension | 10 | 0 | 5 | 10 | 10 | 10 | 10 | 10 |
| NIIP (2) | 133 | 149 | 141 | 133 | 133 | 133 | 133 | 133 |
| San Juan-Chama | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 |
| Navajo Evaporation | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| Hammond | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| Municipal/Domestic | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| Power/Industrial | | | | | | | | |
| BHP (Private) | 37 | 37 | 37 | 38 | 39 | 39 | 39 | 39 |
| PSCNM (3) | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| Minerals | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Framework & 66-99 Change | 446 | 446 | 446 | 447 | 448 | 448 | 448 | 448 |
| Anticipated Depletions | | | | | | | | |
| Agricultural- Irrig. & Stock | | | | | | | | |
| Public/Private | | | | | | | | |
| Federal | | | | | | | | |
| NIIP (4) | 0 | 0 | 80 | 121 | 121 | 121 | 121 | 121 |
| Municipal/Domestic | | | | | | | | |
| Public/Private | | | | | | | | |
| Federal | | | | | | | | |
| ALP (5) | 0 | 0 | 5 | 10 | 14 | 14 | 14 | 14 |
| Jicarilla | 0 | 0 | 1 | 2 | 3 | 4 | 5 | 5 |
| Power/Industrial | | | | | | | | |
| Jicarilla | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 4 |
| Total Anticipated | 446 | 446 | 532 | 580 | 586 | 589 | 591 | 592 |
| Potential Depletions | | | | | | | | |
| Municipal/Domestic | | | | | | | | |
| Public/Private | | | | | | | | |
| Federal | | | | | | | | |
| Navajo-Gallup | 0 | 0 | 0 | 10 | 15 | 22 | 22 | 22 |
| Navajo Contracts (6) | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Potential | 0 | 1 | 1 | 11 | 16 | 23 | 23 | 23 |
| Total Scheduled Depletions | 446 | 447 | 533 | 591 | 602 | 612 | 614 | 615 |
| Evap- Storage Units | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 |
| Total | 504 | 505 | 591 | 649 | 660 | 670 | 672 | 673 |
| State Share of 6.0 MAF (7) | 669 | 669 | 669 | 669 | 669 | 669 | 669 | 669 |
| Remaining Available | 165 | 164 | 78 | 20 | 9 | -1 | -3 | -4 |
| Percent of State Share | 25% | 25% | 12% | 3% | 1% | -0% | -0% | -1% |

- (1) Does not reflect transfers from irrigation to municipal and industrial uses.
- (2) Amounts in 2000 and 2010 reflect temporary water transfers to NIIP from Fruitland and Hogback Projects.
- (3) Amounts subsequent to 2000 are obtained through contract with Jicarilla Tribe.
- (4) Total NIIP depletion by 2020 is 254,000 acre-feet with anticipated average 5% land following.
- (5) Includes allocations to San Juan Water Commission and Navajo Nation, and New Mexico share of reservoir evaporation.
- (6) Includes Navajo french fry factory and other small contracts.
- (7) Does not include salvage by use estimated at 4% of at-site depletions.

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