

TO: Los Osos Basin Management Committee

FROM: Daniel Heimel, Executive Director

DATE: March 25, 2021

SUBJECT: Item 8a – Presentation of Draft 2020 Annual Report Preliminary Findings

Recommendations

Receive an update on preliminary findings from 2020 Annual Report and provide input to staff on future direction.

Discussion

Section 5.8.3 of the Final Judgment requires that the preparation of an Annual Report by June 30 of each year. The BMC retained Cleath Harris Geologists (CHG) to prepare the fifth Annual Report for calendar year 2020. An excerpt of the preliminary work that CHG is preparing is attached, and a staff summary will be provided at the meeting. The Draft Annual Report is anticipated to be released soon for BMC and Public Review.

Financial Considerations

Budget items 5 and 6 in the adopted calendar year 2021 budget address monitoring and preparation of the annual report. At this time, no budget adjustments are recommended.

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| DRAFT Table. Municipal Groundwater Production (2013-2020) | | | | |
|------------------------------------------------------------------|------------------------------|-------------|----------------|--------------|
| Year | LOCSD | GSWC | S&T | Total |
| | Acre-Feet¹ | | | |
| 2013 | 726 | 689 | 55 | 1,470 |
| 2014 | 634 | 564 | 48 | 1,246 |
| 2015 | 506 | 469 | 32 | 1,007 |
| 2016 | 519 | 453 | 31 | 1,003 |
| 2017 | 568 | 450 | 32 | 1,050 |
| 2018 | 522 | 464 | 32 | 1,018 |
| 2019 | 506 | 454 | 31 | 991 |
| 2020 | 527 | 502 | 34 | 1,063 |

Note: ¹Metered production

| DRAFT Table. Basin Groundwater Production (2013-2020) | | | | | |
|--------------------------------------------------------------|------------------------------|-----------------|------------------|--------------------|--------------|
| Year | Purveyors | Domestic | Community | Agriculture | Total |
| | Acre-Feet¹ | | | | |
| 2013 | 1,470 | 200 | 140 | 750 | 2,560 |
| 2014 | 1,250 | 220 | 130 | 800 | 2,400 |
| 2015 | 1,010 | 220 | 140 | 800 | 2,170 |
| 2016 | 1,000 | 220 | 140 | 800 | 2,160 |
| 2017 | 1,050 | 220 | 130 | 670 | 2,070 |
| 2018 | 1,020 | 220 | 120 | 670 | 2,030 |
| 2019 | 990 | 220 | 60 | 630 | 1,900 |
| 2020 | 1,060 | 220 | 80 | 650 | 2,010 |

Note: ¹All figures rounded to the nearest 10 acre-feet

| Metric | LOBP Goal | DRAFT Values from 2020 Data |
|----------------------------|---------------------------------------|------------------------------------|
| Basin Yield Metric: | 80 or less | 73 |
| Water Level Metric: | 8 feet above mean sea level or higher | 1.8 feet above mean sea level |
| Chloride Metric: | 100 mg/L or lower | 205 mg/L |
| Nitrate Metric: | 10 mg/L or lower | pending* |

*Pending final 2020 Nitrate Monitoring Report

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| DRAFT Table. Recycled Water Uses in the Urban Water Reinvestment Program | | |
|---------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------------|
| Potential Use | LOBP Planned Annual Volume (AFY) | Actual Annual Volume in 2020 (AFY) |
| Broderson Leach Fields | 448 | 456 |
| Bayridge Estates Leach Fields | 33 | 9 |
| Urban Reuse | 63 | 0 |
| Sea Pines Golf Course | 40 | 67 |
| Los Osos Valley Memorial Park | 50 | 0 |
| Agricultural Reuse | 146 | 0 |
| Total | 780 | 532 |

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Chloride and Water Level Metric Lower Aquifer

