ENVIRONMENTAL PROTECTION
<table>
<thead>
<tr>
<th>PART I: EXPENDITURES &amp; POSITIONS</th>
<th>BUDGETED</th>
<th>ACTUAL</th>
<th>± CHANGE</th>
<th>%</th>
<th>BUDGETED</th>
<th>ACTUAL</th>
<th>± CHANGE</th>
<th>%</th>
<th>BUDGETED ESTIMATED</th>
<th>± CHANGE</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESEARCH &amp; DEVELOPMENT COSTS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>POSITIONS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXPENDITURES ($1,000\text{'s})</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OPERATING COSTS</td>
<td>668.35</td>
<td>516.35</td>
<td>- 152.00</td>
<td>23</td>
<td>670.35</td>
<td>507.35</td>
<td>- 163.00</td>
<td>24</td>
<td>670.35</td>
<td>597.85</td>
<td>- 72.50</td>
</tr>
<tr>
<td>EXPENDITURES ($1000\text{'s})</td>
<td>392,331</td>
<td>279,767</td>
<td>- 112,564</td>
<td>29</td>
<td>90,755</td>
<td>55,640</td>
<td>- 35,115</td>
<td>39</td>
<td>283,653</td>
<td>318,474</td>
<td>+ 34,821</td>
</tr>
<tr>
<td>TOTAL COSTS</td>
<td>668.35</td>
<td>516.35</td>
<td>- 152.00</td>
<td>23</td>
<td>670.35</td>
<td>507.35</td>
<td>- 163.00</td>
<td>24</td>
<td>670.35</td>
<td>597.85</td>
<td>- 72.50</td>
</tr>
<tr>
<td>EXPENDITURES ($1000\text{'s})</td>
<td>392,331</td>
<td>279,767</td>
<td>- 112,564</td>
<td>29</td>
<td>90,755</td>
<td>55,640</td>
<td>- 35,115</td>
<td>39</td>
<td>283,653</td>
<td>318,474</td>
<td>+ 34,821</td>
</tr>
</tbody>
</table>

| PART II: MEASURES OF EFFECTIVENESS | | | | | | | | | | | | |
|------------------------------------| | | | | | | | | | | | |
| 1. NUMBER OF PROTECTED AREAS, STATEWIDE | | | | | | | | | | | | |
| PLANNED                           | 13 | 12 | - | 1 | 8 |
| ACTUAL                            | 13 | 12 | - | 1 | 8 |

- 306 -
PART I - EXPENDITURES AND POSITIONS

The variance in the Environmental Protection program position count is generally due to vacancies because of budget constraints, personnel turnovers and recruitment difficulties. The variance in expenditures is the net effect of position vacancies, collective bargaining augmentation and authorized federal fund increases. Details of the position and expenditure variances are best examined at the lowest program level.

PART II - MEASURES OF EFFECTIVENESS

See the lowest level programs for explanation of variances.
# VARIANCE REPORT

## PROGRAM TITLE: POLLUTION CONTROL

**Program ID:** 0401

**Fiscal Year:** 2019-2020

### Part I: Expenditures & Positions

#### Research & Development Costs

<table>
<thead>
<tr>
<th>Positions</th>
<th>Budgeted</th>
<th>Actual</th>
<th>% Change</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expenditures ($1,000's)</td>
<td>242.35</td>
<td>176.35</td>
<td>- 66.00</td>
<td>27</td>
</tr>
</tbody>
</table>

#### Operating Costs

<table>
<thead>
<tr>
<th>Positions</th>
<th>Budgeted</th>
<th>Actual</th>
<th>% Change</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expenditures ($1000's)</td>
<td>316,297</td>
<td>218,202</td>
<td>- 98,095</td>
<td>31</td>
</tr>
</tbody>
</table>

#### Total Costs

<table>
<thead>
<tr>
<th>Positions</th>
<th>Budgeted</th>
<th>Actual</th>
<th>% Change</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expenditures ($1000's)</td>
<td>316,297</td>
<td>218,202</td>
<td>- 98,095</td>
<td>31</td>
</tr>
</tbody>
</table>

### Part II: Measures of Effectiveness

<table>
<thead>
<tr>
<th>Measure</th>
<th>Planned</th>
<th>Actual</th>
<th>% Change</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td># Highly Toxic Exp to Pest Threat to Life or HLTH</td>
<td>3</td>
<td>0</td>
<td>- 3</td>
<td>100</td>
</tr>
</tbody>
</table>

- 308 -
PART I - EXPENDITURES AND POSITIONS

The variance in the Pollution Control program position count is generally due to vacancies because of budget constraints, personnel turnovers, and recruitment difficulties. The variance in expenditures is the net effect of position vacancies, collective bargaining augmentation and authorized federal fund increases. Details of the position and expenditure variances are best examined at the lowest program level.

PART II - MEASURES OF EFFECTIVENESS

See Lowest Level Programs for additional information.
| PART I: EXPENDITURES & POSITIONS | BUDGETED | ACTUAL | % CHANGE | % | BUDGETED | ACTUAL | % CHANGE | % | BUDGETED | ESTIMATED | % CHANGE | % |
|---------------------------------|----------|--------|----------|---|----------|--------|----------|---|----------|-----------|----------|----------|---|
| RESEARCH & DEVELOPMENT COSTS    |           |        |          |   |           |        |          |   |           |           |          |   |
| POSITIONS                       | 215.35    | 153.35 | - 62.00  | 29| 217.35    | 150.35 | - 67.00  | 31| 217.35    | 217.35   | + 0.00   | 0 |
| EXPENDITURES ($1,000's)         | 313,078   | 215,641| - 97,437 | 31| 74,796    | 44,540 | - 30,256 | 40| 226,248   | 256,504   | + 30,256 | 13|
| OPERATING COSTS                 |           |        |          |   |           |        |          |   |           |           |          |   |
| POSITIONS                       | 215.35    | 153.35 | - 62.00  | 29| 217.35    | 150.35 | - 67.00  | 31| 217.35    | 217.35   | + 0.00   | 0 |
| EXPENDITURES ($1000's)          | 313,078   | 215,641| - 97,437 | 31| 74,796    | 44,540 | - 30,256 | 40| 226,248   | 256,504   | + 30,256 | 13|
| TOTAL COSTS                     | 215.35    | 153.35 | - 62.00  | 29| 217.35    | 150.35 | - 67.00  | 31| 217.35    | 217.35   | + 0.00   | 0 |
| EXPENDITURES ($1000's)          | 313,078   | 215,641| - 97,437 | 31| 74,796    | 44,540 | - 30,256 | 40| 226,248   | 256,504   | + 30,256 | 13|

<table>
<thead>
<tr>
<th>PART II: MEASURES OF EFFECTIVENESS</th>
<th>PLANED</th>
<th>ACTUAL</th>
<th>% CHANGE</th>
<th>%</th>
<th>PLANED</th>
<th>ESTIMATED</th>
<th>% CHANGE</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. % COVERED SOURCES IN COMPL W/ AIR RULES/PERMITS</td>
<td>92</td>
<td>97</td>
<td>+ 5</td>
<td>5</td>
<td>92</td>
<td>95</td>
<td>+ 3</td>
<td>3</td>
</tr>
<tr>
<td>2. % WASTEWTR EFFL/BIOSOLIDS REUSED FOR BENEF PURPS</td>
<td>16</td>
<td>16</td>
<td>+ 0</td>
<td>0</td>
<td>16</td>
<td>15</td>
<td>- 1</td>
<td>6</td>
</tr>
<tr>
<td>3. % WASTEWATER DISCHARGERS IN COMPLIANCE W/PERMITS</td>
<td>96</td>
<td>96</td>
<td>+ 0</td>
<td>0</td>
<td>96</td>
<td>96</td>
<td>+ 0</td>
<td>0</td>
</tr>
<tr>
<td>4. % OF MARINE RECREATIONAL SITES IN COMPL WITH RULES</td>
<td>99</td>
<td>99</td>
<td>+ 0</td>
<td>0</td>
<td>99</td>
<td>99</td>
<td>+ 0</td>
<td>0</td>
</tr>
<tr>
<td>5. % PUBLIC DRINKING WATER SYS MEETING HEALTH STNDRDS</td>
<td>94</td>
<td>98</td>
<td>+ 4</td>
<td>4</td>
<td>94</td>
<td>94</td>
<td>+ 0</td>
<td>0</td>
</tr>
<tr>
<td>6. % INJECTION WELL FACILITIES WITH A UIC PERMIT</td>
<td>56</td>
<td>56</td>
<td>+ 0</td>
<td>0</td>
<td>56</td>
<td>56</td>
<td>+ 0</td>
<td>0</td>
</tr>
<tr>
<td>7. % SOLID &amp; HAZARDOUS WASTE FACILITIES IN COMPLIANCE</td>
<td>66</td>
<td>72</td>
<td>+ 6</td>
<td>6</td>
<td>66</td>
<td>66</td>
<td>+ 0</td>
<td>0</td>
</tr>
<tr>
<td>8. % UNDERGRND STORAGE TANK FACILITIES IN COMPLIANCE</td>
<td>90</td>
<td>87</td>
<td>- 3</td>
<td>3</td>
<td>90</td>
<td>90</td>
<td>+ 0</td>
<td>0</td>
</tr>
<tr>
<td>9. % DRINKING WATER &amp; WASTEWATER REVLNG FUNDS LOANED</td>
<td>98</td>
<td>99</td>
<td>+ 1</td>
<td>1</td>
<td>98</td>
<td>100</td>
<td>+ 2</td>
<td>2</td>
</tr>
<tr>
<td>10. % OF WASTEWATER SYSTEMS IN COMPLIANCE W/ RULES</td>
<td>55</td>
<td>62</td>
<td>+ 7</td>
<td>13</td>
<td>55</td>
<td>62</td>
<td>+ 7</td>
<td>13</td>
</tr>
</tbody>
</table>

| PART III: PROGRAM TARGET GROUP |          |        |          |   |          |        |          |   |          |        |          |   |
|--------------------------------|----------|--------|----------|---|----------|--------|----------|---|----------|        |----------|---|
| 1. # OF COVERED AIR POLLUTION SOURCES | 152     | 151    | - 1      | 1 | 152     | 151     | - 1      | 1 |
| 2. # EXSTG TRTMT WORKS PRODCNG RECLAIMD WTR/BIOSOLIDS | 37      | 37     | + 0      | 0 | 37      | 37      | + 0      | 0 |
| 3. # OF MAJOR AND MINOR WASTEWATER DISCHARGERS | 70      | 70     | + 0      | 0 | 70      | 70      | + 0      | 0 |
| 4. # OF MARINE RECREATIONAL SITES | 147     | 147    | + 0      | 0 | 147     | 147     | + 0      | 0 |
| 5. # OF PUBLIC DRINKING WATER SYSTEMS | 135     | 137    | + 2      | 2 | 135     | 138     | + 3      | 2 |
| 6. # OF UNDERGROUND INJECTION WELL FACILITIES | 1365    | 1366   | + 1      | 1 | 1365    | 1368    | + 1      | 1 |
| 7. # OF SOLID AND HAZARDOUS WASTE FACILITIES | 400     | 355    | - 45     | 11| 400     | 360     | - 40     | 10|
| 8. # UNDERGROUND STORAGE TANK FACILITIES REGISTERED | 3210    | 3243   | + 33     | 1 | 3210    | 3250    | + 40     | 1 |
| 9. # DRINKING WATER & WASTEWTR REVLNG FUND LOANS MADE | 8       | 7      | - 1      | 1 | 8       | 7       | - 1      | 1 |
| 10. # EXISTG TRTMT WKS & TRTMT INDIV WASTEWTR SYSTEMS | 40400   | 40108  | - 292    | 1 | 41600   | 40900   | - 700    | 2 |

| PART IV: PROGRAM ACTIVITY |          |        |          |   |          |        |          |   |          |        |          |   |
|---------------------------|----------|--------|----------|---|----------|--------|----------|---|----------|        |----------|---|
| 1. # INSPECTIONS OF COVERED AIR POLLUTION SOURCES | 140     | 132    | - 8      | 6 | 140     | 140     | + 0      | 0 |
| 2. # OF INDIV WW SYS/BLDG PERMIT APPS REVWD/APPRVD | 4500    | 4578   | + 78     | 2 | 4500    | 4500    | + 0      | 0 |
| 3. # OF OPER/MAINT/COMPLNT INSPECTNS OF WASTEWTR DISCHRS | 300     | 305    | + 5      | 2 | 300     | 300     | + 0      | 0 |
| 4. # OF MICROBIOL/CHM ANALYSES FOR MARINE WATER QUAL | 6200    | 6325   | + 125    | 2 | 6200    | 6100    | - 100     | 2 |
| 5. # OF SANITARY SURVEYS CONDUCTED | 20      | 10     | - 10     | 62| 20      | 32      | + 6      | 23|
| 6. # OF INJECTION WELL APPLICATIONS PROCESSED | 80      | 82     | + 2      | 3 | 80      | 80      | + 0      | 0 |
| 7. # OF SOLID/HAZ WASTE FACIL INSPECT/INVESTIGATED | 100     | 85     | - 15     | 15| 100     | 70      | - 30     | 30|
| 8. # OF UNDERGROUND STORAGE TANK FACIL EVAL/INSPECTED | 500     | 373    | - 127    | 25| 500     | 500     | + 0      | 0 |
| 9. # OF NEW LOANS ISSUED | 8       | 7      | - 1      | 13| 8       | 17      | + 9      | 113|
| 10. # OF/MAINT/CONST INSPECTION ACT/INVESTIGATION AT WW FAC | 1300    | 968    | - 332    | 26| 1300    | 968     | - 332    | 26|
PART I - EXPENDITURES AND POSITIONS

The variances in the number of positions for FY 20 and for the first three months of FY 21 were primarily due to the lengthy recruitment process and difficulty in filling positions as well as the hiring freeze that was implemented in FY 20. Retention and recruitment have become even more difficult since relocation to Waimano Ridge, Pearl City. For both years, the variances were also attributable to positions that were or are being established or redescribed. For FY 21, a reorganization must be completed before six new positions can be classified and established.

Expenditure variances for FY 20 and FY 21 are primarily due to the timing of large revolving fund loan encumbrances. For FY 20, the decrease was also due to vacancy savings and the restriction that was imposed. All non-federal funds were restricted in FY 21 Q1. The budgeted amounts for Q1 were inflated due to federal fund balances being carried forward to Q1, although they are spent throughout the year and into succeeding years for multi-year awards.

PART II - MEASURES OF EFFECTIVENESS

Item 10. The Wastewater Branch cannot accurately predict how many facilities will maintain compliance during the fiscal year. The Wastewater Branch is not involved in the operation and maintenance of these facilities to ensure that compliance is met.

PART III - PROGRAM TARGET GROUPS

Item 7. The variance in FY 20 was due to closures of some long-time facilities associated with retirement, changes in the recycling market, or loss of lease. The change in FY 21 estimated numbers is based on the FY 20 number.

Item 9. The variance in FY 20 was due to some construction projects that were not ready to proceed as expected. The variance in FY 21 is due to the anticipated increase in executed loans for construction projects that are ready to proceed.

PART IV - PROGRAM ACTIVITIES

Item 5. The variance in FY 20 was due to COVID-19 restrictions and delays for and by public water systems that were scheduled to have their sanitary survey. The variance in FY 21 is due to the anticipated increase in sanitary surveys for those not conducted in FY 20.

Item 7. The variance in FY 20 was due to COVID-19 restrictions. The change in the FY 21 estimated number is due to the elimination of one inspector position from the FY 21 budget.

Item 8. The variance in FY 20 was due to COVID-19 restrictions and a vacancy beginning in the late 3rd quarter.

Item 9. The variance in FY 20 was due to some construction projects that were not ready to proceed as expected. The variance in FY 21 is due to the anticipated increase in executed loans for construction projects that are ready to proceed.

Item 10. The reduction in this measure was due to the COVID-19 outbreak. Fewer inspections and investigations were conducted during March to June 2020. The same reduction is anticipated for FY 21 due to the continuing pandemic.
## PART I: EXPENDITURES & POSITIONS
**RESEARCH & DEVELOPMENT COSTS**

<table>
<thead>
<tr>
<th>Positions</th>
<th>Expenditures ($1,000’s)</th>
<th>Budgeted</th>
<th>Actual</th>
<th>± Change</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>27.00</td>
<td>23.00</td>
<td>- 4.00</td>
<td>15</td>
</tr>
</tbody>
</table>

**OPERATING COSTS**

<table>
<thead>
<tr>
<th>Positions</th>
<th>Expenditures ($1,000’s)</th>
<th>Budgeted</th>
<th>Actual</th>
<th>± Change</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>27.00</td>
<td>23.00</td>
<td>- 4.00</td>
<td>15</td>
</tr>
</tbody>
</table>

**TOTAL COSTS**

<table>
<thead>
<tr>
<th>Positions</th>
<th>Expenditures ($1,000’s)</th>
<th>Budgeted</th>
<th>Actual</th>
<th>± Change</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>27.00</td>
<td>23.00</td>
<td>- 4.00</td>
<td>15</td>
</tr>
</tbody>
</table>

### THREE MONTHS ENDED 09-30-20

<table>
<thead>
<tr>
<th></th>
<th>Budgeted</th>
<th>Actual</th>
<th>± Change</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPERATING COSTS</td>
<td>27.00</td>
<td>23.00</td>
<td>- 4.00</td>
<td>15</td>
</tr>
<tr>
<td>TOTAL COSTS</td>
<td>27.00</td>
<td>23.00</td>
<td>- 4.00</td>
<td>15</td>
</tr>
</tbody>
</table>

### NINE MONTHS ENDING 06-30-21

<table>
<thead>
<tr>
<th></th>
<th>Budgeted</th>
<th>Actual</th>
<th>± Change</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPERATING COSTS</td>
<td>27.00</td>
<td>23.00</td>
<td>- 4.00</td>
<td>15</td>
</tr>
<tr>
<td>TOTAL COSTS</td>
<td>27.00</td>
<td>23.00</td>
<td>- 4.00</td>
<td>15</td>
</tr>
</tbody>
</table>

## PART II: MEASURES OF EFFECTIVENESS
1. # HIGHLY TOXIC EXP TO PEST THREAT TO LIFE OR HLTH
   - Planned: 3
   - Actual: 0
   - Change: -3
   - %: 100
2. #DRINKG WATER SOURCES REQ TRTMT TO MEET HTH STDS
   - Planned: 3
   - Actual: NO DATA
   - Change: -3
   - %: 100
3. CROP LOSS PREVENTED BY EMERGENCY USE OF PESTICIDES
   - Planned: 1500
   - Actual: 0
   - Change: -1500
   - %: 100

## PART III: PROGRAM TARGET GROUP
1. NO. OF APPLS CERT FOR RESTR USE OF PESTICIDES
   - Planned: 1650
   - Actual: 1456
   - Change: -194
   - %: 12
2. NO. OF LICENSED DEALERS
   - Planned: 22
   - Actual: 27
   - Change: +5
   - %: 23
3. LICENSEES OF PESTICIDE PRODUCTS
   - Planned: 850
   - Actual: 1023
   - Change: +173
   - %: 20
4. NO. OF AGRICULTURAL LABORERS
   - Planned: 6000
   - Actual: NO DATA
   - Change: -6000
   - %: 100
5. NON-CERTIFIED APPLICATORS
   - Planned: 150
   - Actual: NO DATA
   - Change: -150
   - %: 100

## PART IV: PROGRAM ACTIVITY
1. CERTIF OF RESTRICTED PESTICIDE USERS
   - Planned: 300
   - Actual: 306
   - Change: +6
   - %: 2
2. FIELD INSPECT MONITORING PEST USE (AG & NON AG)
   - Planned: 500
   - Actual: 247
   - Change: -253
   - %: 51
3. INVEST OF COMPLAINTS OF ALLEGED PESTICIDE MISUSE
   - Planned: 75
   - Actual: 95
   - Change: +20
   - %: 27
4. LICENSING DEALERS OF RESTRICTED PESTICIDES
   - Planned: 22
   - Actual: 27
   - Change: +5
   - %: 23
5. SAMP PESTICIDE PROD & ENV SURFACES FOR RESIDUES
   - Planned: 525
   - Actual: 89
   - Change: -436
   - %: 83
6. MARKET INSPECTIONS
   - Planned: 100
   - Actual: 40
   - Change: -60
   - %: 60
7. PESTICIDE PRODUCT REGISTRATION (NO. OF PRODUCTS)
   - Planned: 3200
   - Actual: 3026
   - Change: -174
   - %: 5
8. MINOR USE REGISTRATIONS
   - Planned: 10
   - Actual: 6
   - Change: -4
   - %: 40
9. GROUND WATER REVIEWS
   - Planned: 5
   - Actual: 1
   - Change: -4
   - %: 80
10. CONSULT W/ FISH & WLDIF SVCS FOR ENDANGERED SP IMP
    - Planned: 2
    - Actual: 2
    - Change: 0
    - %: 0

---

- 312 -
PART I - EXPENDITURES AND POSITIONS

Variances in expenditures mainly due to position vacancies and reduced federal and revolving fund expenditures. Variances in positions are due to the lack of qualified applicants for vacant positions.

PART II - MEASURES OF EFFECTIVENESS

Item 1. The number of high-level episode incidents that will occur are unpredictable.

Item 2. No current data available to the program. The program is collaborating with the Department of Health's Safe Drinking Water Branch to get more information.

Item 3. The data is an estimated figure as "confidential business information" and is not available to the program. Requests for a Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), Section 18, Crisis Emergency Exemption to use a certain pesticide by a grower or growers is infrequent. There was one (1) Section 18 Crisis Exemption request, which ultimately changed into a Special Local Need (Minor Use) request.

PART III - PROGRAM TARGET GROUPS

Item 1. The number of individuals seeking certification is driven by economic conditions.

Item 2 & 3. The increases are a result of diversification of the agricultural industry and an increase in the need for the structural pest control industry.

Item 4. The number of agricultural laborers was reported as 6,000 by the U.S. Department of Agriculture, National Agricultural Statistics Service, for 2018. The Pesticides Branch does not participate in collecting this data.

Item 5. The Pesticides Branch does not track the number of non-certified applicators.

PART IV - PROGRAM ACTIVITIES

Item 2. Enforcement Section was not fully staffed, one vacancy was filled in Hilo towards the end of the fiscal year. One vacancy still exists on the island of Maui. Inspection numbers significantly decreased due to stay-at-home restrictions beginning at the end of the 3rd Quarter through the 4th Quarter.

Item 3. The Branch continues to respond to more complaints for the year with an increased emphasis on expediency.

Item 4. The number of dealers licensed to sell Restricted Use Pesticides (RUP) increased as a result of diversification of the agricultural industry and an increase in the need for the structural pest control industry.

Item 5. The number of episodes requiring sampling and environmental matrices or surfaces for pesticide residues is unpredictable.

Item 6. The number of marketplace inspections decreased due to the stay-at-home restrictions beginning late in the 3rd Quarter and through the 4th Quarter. An increased emphasis is placed on marketplace inspections due to the public's increased need for disinfectants.

Item 8. The number of Special Local Needs/Minor Use applications are unpredictable.

Item 9. The number of Ground Water Reviews are unpredictable due to the development cycle of new active ingredients.
### PART I: EXPENDITURES & POSITIONS

**Program Title:** Preservation and Enhancement  
**Program Structure No:** 0402  
**Report Date:** 12/5/20

#### Research & Development Costs

<table>
<thead>
<tr>
<th>Positions</th>
<th>Expenditures ($1,000's)</th>
<th>Budgeted</th>
<th>Actual</th>
<th>± Change</th>
<th>%</th>
<th>Budgeted</th>
<th>Actual</th>
<th>± Change</th>
<th>%</th>
<th>Budgeted Estimated</th>
<th>± Change</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPERATING COSTS</td>
<td></td>
<td>312.00</td>
<td>246.00</td>
<td>-66.00</td>
<td>21</td>
<td>312.00</td>
<td>240.00</td>
<td>-72.00</td>
<td>23</td>
<td>312.00</td>
<td>246.50</td>
<td>-65.50</td>
</tr>
<tr>
<td>EXPENDITURES ($1000's)</td>
<td></td>
<td>59,253</td>
<td>46,926</td>
<td>-12,327</td>
<td>21</td>
<td>9,513</td>
<td>7,196</td>
<td>-2,317</td>
<td>24</td>
<td>44,518</td>
<td>46,835</td>
<td>+2,317</td>
</tr>
<tr>
<td>TOTAL COSTS</td>
<td></td>
<td>312.00</td>
<td>246.00</td>
<td>-66.00</td>
<td>21</td>
<td>312.00</td>
<td>240.00</td>
<td>-72.00</td>
<td>23</td>
<td>312.00</td>
<td>246.50</td>
<td>-65.50</td>
</tr>
<tr>
<td>EXPENDITURES ($1000's)</td>
<td></td>
<td>59,253</td>
<td>46,926</td>
<td>-12,327</td>
<td>21</td>
<td>9,513</td>
<td>7,196</td>
<td>-2,317</td>
<td>24</td>
<td>44,518</td>
<td>46,835</td>
<td>+2,317</td>
</tr>
</tbody>
</table>

#### Measures of Effectiveness

1. **# Marine Protected Areas Statewide**

<table>
<thead>
<tr>
<th></th>
<th>FISCAL YEAR 2019-20</th>
<th>FISCAL YEAR 2020-21</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PLANNED ACTUAL ± CHANGE</td>
<td>%</td>
</tr>
<tr>
<td># Marine Protected Areas Statewide</td>
<td>13</td>
<td>12</td>
</tr>
</tbody>
</table>
The variance in the Preservation and Enhancement program position count is generally due to vacancies because of budget constraints, personnel turnovers, and recruitment difficulties. The variance in expenditures is the net effect of position vacancies, collective bargaining augmentation and authorized federal fund increases. Details of the position and expenditure variances are best examined at the lowest program level.

PART II - MEASURES OF EFFECTIVENESS

See the lowest level programs for explanation of variances.
### Part I: Expenditures & Positions

#### Research & Development Costs

<table>
<thead>
<tr>
<th>Positions</th>
<th>Expenditures ($1,000's)</th>
<th>Operating Costs</th>
<th>Expenditures ($1000's)</th>
<th>Total Costs</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUDGETED</td>
<td>ACTUAL ± CHANGE</td>
<td>BUDGETED</td>
<td>ACTUAL ± CHANGE</td>
<td>BUDGETED</td>
</tr>
<tr>
<td>27.00</td>
<td>22.00</td>
<td>- 4.00</td>
<td>15</td>
<td>27.00</td>
</tr>
<tr>
<td>8,514</td>
<td>5,076</td>
<td>- 3,438</td>
<td>40</td>
<td>581</td>
</tr>
</tbody>
</table>

### Part II: Measures of Effectiveness

1. Marine Protctd Areas & Artfcl Reefs, New/Enl (Ac)
   - Planned Actual: 80,000
   - Planned Estimated: 90,000

2. Net Chg in Mar. Prot Area Biomass/Biodv (1000 Lbs)
   - Planned Actual: 3
   - Planned Estimated: 3

3. New/Amended Regs That Protect Species (No. Added)
   - Planned Actual: 3
   - Planned Estimated: 3

4. Tech Guidance Provdd in Permit/Stat-Req Reviews (#)
   - Planned Actual: 100
   - Planned Estimated: 100

### Part III: Program Target Group

1. Total Resident Population (Thousands)
   - Planned Actual: 1,425
   - Planned Estimated: 1,424

2. Total Non-Resident Population (Thousands)
   - Planned Actual: 206
   - Planned Estimated: 208

3. Non-Government Organizations
   - Planned Actual: 110
   - Planned Estimated: 110

4. Related County/State/Fed Resource Trustee Agencies
   - Planned Actual: 12
   - Planned Estimated: 12

### Part IV: Program Activity

1. Statutory & Admin Rule Making (Number)
   - Planned Actual: 5
   - Planned Estimated: 5

2. Envrmnt Review & Impact Evals, Tech Guidance (No.)
   - Planned Actual: 200
   - Planned Estimated: 200

3. Marine Protctd Area & Artfcl Reef Surveys (Number)
   - Planned Actual: 16
   - Planned Estimated: 17

4. Stream and Estuarine Surveys (Number)
   - Planned Actual: 130
   - Planned Estimated: 130

5. Native Species Biological & Habitat InvestgtN (No.)
   - Planned Actual: 1,390
   - Planned Estimated: 1,390

6. Protected Species Monitoring & Assessment (No.)
   - Planned Actual: 10
   - Planned Estimated: 10
PART I - EXPENDITURES AND POSITIONS

FY 20: The four vacant permanent positions and less program activities at the end of the 3rd and most of the 4th quarter due to COVID-19 impacts accounted for a substantial portion of the 40% savings in expenditures last fiscal year.

FY 21: COVID-19 impacts continued during the 1st quarter, which resulted in significant savings (102K) in expenditures. This trend may resume through the rest of the fiscal year, as cuts to vacancy savings have precluded filling of critical staff positions and certain normal activities, such as interisland travel, continued to be curtailed.

PART II - MEASURES OF EFFECTIVENESS

Item 1: The planned large increase in the number of acres under management protection by the establishment of the Mo'omomi Community-Based Subsistence Fishing Area (CBSFA) this fiscal year will probably not happen due to recent opposition of the CBSFA.

Item 3: Rules last year to include the tide pool area in the Pupukea (Marine Life Conservation District) MLCD, amend the crustaceans rule for Kona crabs, spiny lobsters and Samoan crabs and new rules for Kahului Harbor were delayed, but are again planned for this fiscal year.

Item 4: The number of environmental reviews of projects potentially impacting aquatic resources increased last year; however, review numbers could decrease this year due to lower than normal reviews in the 1st quarter.

PART III - PROGRAM TARGET GROUPS

No significant variances.

PART IV - PROGRAM ACTIVITIES

Item 1: The Mo'omomi CBSFA, the proposed increase in the non-resident commercial fishing license fee, inclusion of the tide pools fronting the Pupukea MLCD, rules on crustaceans to better protect these resources, state-wide herbivore rules, increasing the juvenile goatfish size limit from 5 to 8 inches on Maui, and new fishing rules at Kahului Harbor are being worked on this year.
### Part I: Expenditures & Positions
#### Research & Development Costs
<table>
<thead>
<tr>
<th>Positions Expendeditures ($1,000's)</th>
<th>Budgeted</th>
<th>Actual</th>
<th>± Change</th>
<th>%</th>
<th>Budgeted</th>
<th>Actual</th>
<th>± Change</th>
<th>%</th>
<th>Budgeted</th>
<th>Estimated</th>
<th>± Change</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>68.00 59.00 - 9.00 13</td>
<td>68.00</td>
<td>58.00</td>
<td>- 10.00</td>
<td>15</td>
<td>68.00</td>
<td>60.50</td>
<td>- 7.50</td>
<td>11</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21,050 17,703 - 3,347 16</td>
<td>3,380</td>
<td>2,322</td>
<td>- 1,058</td>
<td>31</td>
<td>16,533</td>
<td>17,591</td>
<td>+ 1,058</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Operating Costs
<table>
<thead>
<tr>
<th>Positions Expendeditures ($1000's)</th>
<th>Budgeted</th>
<th>Actual</th>
<th>± Change</th>
<th>%</th>
<th>Budgeted</th>
<th>Actual</th>
<th>± Change</th>
<th>%</th>
<th>Budgeted</th>
<th>Estimated</th>
<th>± Change</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>68.00 59.00 - 9.00 13</td>
<td>68.00</td>
<td>58.00</td>
<td>- 10.00</td>
<td>15</td>
<td>68.00</td>
<td>60.50</td>
<td>- 7.50</td>
<td>11</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21,050 17,703 - 3,347 16</td>
<td>3,380</td>
<td>2,322</td>
<td>- 1,058</td>
<td>31</td>
<td>16,533</td>
<td>17,591</td>
<td>+ 1,058</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Total Costs
<table>
<thead>
<tr>
<th>Positions Expendeditures ($1000's)</th>
<th>Budgeted</th>
<th>Actual</th>
<th>± Change</th>
<th>%</th>
<th>Budgeted</th>
<th>Estimated</th>
<th>± Change</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>68.00 59.00 - 9.00 13</td>
<td>68.00</td>
<td>58.00</td>
<td>- 10.00</td>
<td>15</td>
<td>68.00</td>
<td>60.50</td>
<td>- 7.50</td>
<td>11</td>
</tr>
<tr>
<td>21,050 17,703 - 3,347 16</td>
<td>3,380</td>
<td>2,322</td>
<td>- 1,058</td>
<td>31</td>
<td>16,533</td>
<td>17,591</td>
<td>+ 1,058</td>
<td>6</td>
</tr>
</tbody>
</table>

### Part II: Measures of Effectiveness

1. No. T&E Animl Species W/ Actv Recov Impmnttn Prgs
   - Planned: 15 | Actual: 17 | Change: + 2 | %: 13
   - Planned: 15 | Actual: 17 | Change: + 2 | %: 13

2. No. Of Rare Or Listed T&E Plant Species Managed
   - Planned: 30 | Actual: 30 | Change: 0 | %: 0
   - Planned: 30 | Actual: 30 | Change: 0 | %: 0

3. No. Wildlife Sanctuaries Under Actve Mngm/Other
   - Planned: 40 | Actual: 40 | Change: 0 | %: 0
   - Planned: 40 | Actual: 40 | Change: 0 | %: 0

4. No Fuel Hazard Redctn & Wildland/Comm Proj Undrw
   - Planned: 50 | Actual: 50 | Change: 0 | %: 0
   - Planned: 50 | Actual: 50 | Change: 0 | %: 0

5. No. Fire & Emergency Incidnt Respns/Persnln Dplyd
   - Planned: 150 | Actual: 150 | Change: 0 | %: 0
   - Planned: 150 | Actual: 150 | Change: 0 | %: 0

6. No. Forest Health, Invsv Spcs/Non-NTve Pdrtr Cnt
   - Planned: 25 | Actual: 25 | Change: 0 | %: 0
   - Planned: 25 | Actual: 25 | Change: 0 | %: 0

7. No. Projects Currntly Mangd By Invasive Spcs Comm
   - Planned: 45 | Actual: 45 | Change: 0 | %: 0
   - Planned: 45 | Actual: 45 | Change: 0 | %: 0

8. No. Habitat Consrvtn Plans/SAFE Harbor Agreements
   - Planned: 20 | Actual: 20 | Change: 0 | %: 0
   - Planned: 20 | Actual: 20 | Change: 0 | %: 0

9. No. Developmnt Projects Revwd For Natve Spec CSPLN
   - Planned: 64 | Actual: 64 | Change: 0 | %: 0
   - Planned: 64 | Actual: 64 | Change: 0 | %: 0

10. No. Educational Programs Presented /Disseminated
    - Planned: 6 | Actual: 6 | Change: 0 | %: 0
    - Planned: 6 | Actual: 6 | Change: 0 | %: 0

### Part III: Program Target Group

1. Native Resource Consrvtn Pract/Orgnzt/Agncs/Suppt
   - Planned: NO DATA | Actual: NO DATA | Change: 0 | %: 0
   - Planned: NO DATA | Actual: NO DATA | Change: 0 | %: 0

2. Communities/Landwnrs Affected By Wildfires
   - Planned: 125 | Actual: 125 | Change: 0 | %: 0
   - Planned: 125 | Actual: 125 | Change: 0 | %: 0

3. Population Segments At Risk Frm Invasive Species
   - Planned: 1480 | Actual: 1480 | Change: 0 | %: 0
   - Planned: 1480 | Actual: 1480 | Change: 0 | %: 0

4. Landwnrs Spptng Forst Hlth/Natve Resrce Consrvtn
   - Planned: 74 | Actual: 74 | Change: 0 | %: 0
   - Planned: 74 | Actual: 74 | Change: 0 | %: 0

5. Students/Educators/Interested Citizens
   - Planned: 10 | Actual: 10 | Change: 0 | %: 0
   - Planned: 10 | Actual: 10 | Change: 0 | %: 0

### Part IV: Program Activity

1. Habitat Restoratn/Predtr Contrl Recvry T&E Specs/
   - Planned: 1000 | Actual: 1000 | Change: 0 | %: 0
   - Planned: 1000 | Actual: 1000 | Change: 0 | %: 0

2. Constr/Maint Of Firebrks/Fuel Redct/Educ/TRNG/WF/E
   - Planned: 35 | Actual: 35 | Change: 0 | %: 0
   - Planned: 35 | Actual: 35 | Change: 0 | %: 0

3. Prevntn/Detcn/Control/Eradictn Of Invasive Species
   - Planned: 37 | Actual: 37 | Change: 0 | %: 0
   - Planned: 37 | Actual: 37 | Change: 0 | %: 0

4. Native And Protected Species Management
   - Planned: 47 | Actual: 47 | Change: 0 | %: 0
   - Planned: 47 | Actual: 47 | Change: 0 | %: 0

5. Evaluation & Consultation W/ Development Projects
   - Planned: 14 | Actual: 14 | Change: 0 | %: 0
   - Planned: 14 | Actual: 14 | Change: 0 | %: 0

6. Landwnrs Assist/Prsntntn Of Natve Resource Info
   - Planned: 50 | Actual: 50 | Change: 0 | %: 0
   - Planned: 50 | Actual: 50 | Change: 0 | %: 0

7. Publicatn/Implmnt PLNS For Recov/Mgmt Natve Spcs
   - Planned: 50 | Actual: 50 | Change: 0 | %: 0
   - Planned: 50 | Actual: 50 | Change: 0 | %: 0

8. Forest Health Protection/Research/Management
   - Planned: NO DATA | Actual: NO DATA | Change: 0 | %: 0
   - Planned: NO DATA | Actual: NO DATA | Change: 0 | %: 0

- 318 -
PART I - EXPENDITURES AND POSITIONS

The number of positions filled was less than the budgeted for FY 20 and 1st quarter of FY 21 due to vacancies attributed to staff promotions, retirements and resignations, as well as a hiring freeze that began in March 2020.

Actual amount of expenditures in FY 20 is less than the budgeted amount due to the S-320 (U) fund still budgeted in the Program but project closed in FY 17. Some federal grants balances are carried over to FY 21.

The division is unable to fill all 68 budgeted positions by the end of FY 21 due to the defunding of 7.50 permanent positions by Act 9, SLH 2020.

Funds actually expended in the first quarter of FY 21 were less than budgeted due to delays in encumbering some program contracts and other contractor agreements, which are now anticipated to be encumbered in the second quarter of FY 21.

PART II - MEASURES OF EFFECTIVENESS

1. The number of threatened and endangered animal species with active recovery implementation programs was underestimated by 13% in FY 20 and FY 21.

7. The actual number of projects managed by the invasive species committees was 20% lower than planned due to budgetary cuts in FY 20. It is anticipated that this will continue to be lower than planned in FY 21 by 24%.

PART III - PROGRAM TARGET GROUPS

No significant variances.

PART IV - PROGRAM ACTIVITIES

No significant variances.
<table>
<thead>
<tr>
<th>PART I: EXPENDITURES &amp; POSITIONS</th>
<th>BUDGETED ACTUAL</th>
<th>% CHANGE</th>
<th>BUDGETED ACTUAL</th>
<th>% CHANGE</th>
<th>BUDGETED ESTIMATED</th>
<th>% CHANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESEARCH &amp; DEVELOPMENT COSTS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXPENDITURES ($1,000's)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OPERATING COSTS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>POSITIONS</td>
<td>28.00 23.00 - 5.00 18</td>
<td></td>
<td>28.00 22.00 - 6.00 21</td>
<td></td>
<td>28.00 22.00 - 6.00 21</td>
<td></td>
</tr>
<tr>
<td>EXPENDITURES ($1000's)</td>
<td>4,658 3,731 - 927 20</td>
<td></td>
<td>1,016 517 - 499 49</td>
<td></td>
<td>3,380 3,879 + 499 15</td>
<td></td>
</tr>
<tr>
<td>TOTAL COSTS</td>
<td>28.00 23.00 - 5.00 18</td>
<td></td>
<td>28.00 22.00 - 6.00 21</td>
<td></td>
<td>28.00 22.00 - 6.00 21</td>
<td></td>
</tr>
<tr>
<td>EXPENDITURES ($1000's)</td>
<td>4,658 3,731 - 927 20</td>
<td></td>
<td>1,016 517 - 499 49</td>
<td></td>
<td>3,380 3,879 + 499 15</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PART II: MEASURES OF EFFECTIVENESS</th>
<th>FISCAL YEAR 2019-20</th>
<th>FISCAL YEAR 2020-21</th>
<th>% CHANGE</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. PERCENTAGE OF PERMITS PROCESSED WITHIN TIME LIMITS</td>
<td>90 67 - 23 26</td>
<td>90 90 + 0 0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. PERCENTAGE OF COMPLAINTS SATISFACTORILY RESOLVED</td>
<td>80 72 - 8 10</td>
<td>80 80 + 0 0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PART III: PROGRAM TARGET GROUP</th>
<th>FISCAL YEAR 2019-20</th>
<th>FISCAL YEAR 2020-21</th>
<th>% CHANGE</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. GROUND WATER USAGE (MILLION GALLONS PER DAY)</td>
<td>450 405 - 45 10</td>
<td>450 425 - 25 6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. SURFACE WATER USAGE</td>
<td>350 390 + 40 11</td>
<td>350 400 + 50 14</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. WATER CODE-RELATED COMPLAINTS/DISPUTES FILED</td>
<td>25 18 - 7 28</td>
<td>25 25 + 0 0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PART IV: PROGRAM ACTIVITY</th>
<th>FISCAL YEAR 2019-20</th>
<th>FISCAL YEAR 2020-21</th>
<th>% CHANGE</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. NUMBER OF WELLS MONITORED (DEEP AND SHALLOW)</td>
<td>3199 3966 + 767 24</td>
<td>3289 4100 + 811 25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. NUMBER OF STREAMS GAUGED</td>
<td>25 36 + 11 44</td>
<td>25 36 + 11 44</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. NUMBER OF STREAM DIVERSION MONITORED</td>
<td>340 436 + 96 28</td>
<td>340 450 + 110 32</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. NUMBER OF PERMITS PROCESSED</td>
<td>150 181 + 31 21</td>
<td>150 150 + 0 0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. NUMBER OF PETITIONS FOR WATER MANAGEMENT AREAS</td>
<td>1 0 - 1 100</td>
<td>1 1 + 0 0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. NUMBER OF ITEMS RESOLVED THROUGH CONTESTED CASES</td>
<td>1 0 - 1 100</td>
<td>1 1 + 0 0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
PART I - EXPENDITURES AND POSITIONS

The expenditure variance in FY 2019-20 are due to vacancy savings and budget reductions related to COVID-19.

The position variance in the Three Months Ended 9-30-20, is due to restrictions related to COVID-19 on filling positions.

The expenditure variance in the Three Months Ended 9-30-20, is due to vacancy savings and projects pushed to subsequent quarter(s).

The position and expenditure variances in Nine Months Ending 6-30-21, are due to restrictions related to COVID-19 on filling positions and vacancy savings and budget restrictions related to COVID-19, respectively.

PART II - MEASURES OF EFFECTIVENESS

Item 1. The variance in FY 2019-20 (Actual) is due to difficulty in determining if a permit can be processed.

Item 2. The variance in FY 2019-20 (Actual) is due to difficulty in determining if a complaint can be satisfactorily resolved.

PART III - PROGRAM TARGET GROUPS

Item 1. The variance in FY 2019-20 (Actual) is due to difficulty in projecting ground water usage.

Item 2. The variances in FY 2019-20 (Actual) and FY 2020-21 (Estimated) are due to difficulty in projecting surface water usage.

Item 3. The variance in FY 2019-20 (Actual) is due to difficulty in determining when a complaint/dispute will be filed.

PART IV - PROGRAM ACTIVITIES

Item 1. The variances in FY 2019-20 (Actual) and FY 2020-21 (Estimated) are due to difficulty in projecting how many well owners will comply with reporting requirements.

Item 2. The variances in FY 2019-20 (Actual) and FY 2020-21 (Estimated) are due to installation of additional stream gauges.

Item 3. The variances in FY 2019-20 (Actual) and FY 2020-21 (Estimated) are due to difficulty in determining when stream diversions arise that warrant monitoring.

Item 4. The variance in FY 2019-20 (Actual) is due to difficulty in determining how many applications for permits will be filed.

Item 5. The variance in FY 2019-20 (Actual) is due to difficulty in determining when a petition will be filed.

Item 6. The variance in FY 2019-20 (Actual) is due to difficulty in determining when a contested case will be filed/resolved.
### VARIANCE REPORT

**STATE OF HAWAII**

**PROGRAM TITLE:** CONSERVATION & RESOURCES ENFORCEMENT

**PROGRAM-ID:** LNR-405

**PROGRAM STRUCTURE NO:** 040205

#### FISCAL YEAR 2019-20

<table>
<thead>
<tr>
<th>Part I: Expenditures &amp; Positions</th>
<th>Research &amp; Development Costs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Budgeted</td>
<td>Actual</td>
</tr>
<tr>
<td>OPERATING COSTS</td>
<td></td>
</tr>
<tr>
<td>Positions</td>
<td>141.00</td>
</tr>
<tr>
<td>Expenditures ($1,000's)</td>
<td>14,554</td>
</tr>
</tbody>
</table>

**Total Costs**

| Positions | 141.00 | 98.00 | -43.00 | 30 | 141.00 | 96.00 | -45.00 | 32 | 141.00 | 99.00 | -42.00 | 30 |
| Expenditures ($1,000's) | 14,554 | 10,742 | -3,812 | 26 | 2,621 | 2,059 | -562 | 21 | 8,683 | 9,245 | +562 | 6 |

#### Measures of Effectiveness

1. % of time spent on Aquatics Resources Enforcement
   - Planned Actual: 36 34 -2 6
   - Planned Estimated: 36 34 -2 6

2. % of time spent on Forestry/Wildlife Resources Enforcement
   - Planned Actual: 15 13 -2 13
   - Planned Estimated: 15 13 -2 13

3. % of time spent on State Parks Enforcement
   - Planned Actual: 15 15 0 0
   - Planned Estimated: 15 15 0 0

4. % of time spent on Public Lands/Cons Distr Use Enfrcm
   - Planned Actual: 3 4 1 1
   - Planned Estimated: 3 4 1 1

5. % of time spent on Boating & Ocean Rec Enforcement
   - Planned Actual: 25 18 -7 28
   - Planned Estimated: 25 18 -7 28

6. % of time spent on Other Enforcement
   - Planned Actual: 6 16 10 167
   - Planned Estimated: 6 16 10 167

#### Program Target Group

1. Hawaii Defacto Population (Millions)
   - Planned Actual: 1400 1400
   - Planned Estimated: 1400 1400

2. No. of Visitor Arrivals for the Year
   - Planned Actual: 8100000 7293553
   - Planned Estimated: 8100000 7293553

3. No. of Informational & Educational Presentations
   - Planned Actual: 50 40
   - Planned Estimated: 50 40

#### Program Activity

1. Number of Enforcement Miles
   - Planned Actual: 950000 1314337
   - Planned Estimated: 950000 1314337

2. Number of Enforcement Hours
   - Planned Actual: 200000 127903
   - Planned Estimated: 200000 127903

3. Number of Arrests Made
   - Planned Actual: 50 41
   - Planned Estimated: 50 41

4. Number of Citations Issued
   - Planned Actual: 1650 2573
   - Planned Estimated: 1650 2573

5. Number of Investigations Assigned
   - Planned Actual: 3000 2996
   - Planned Estimated: 3000 2996

6. Number of Inspections Performed
   - Planned Actual: 12000 14833
   - Planned Estimated: 12000 14833

7. Number of Hunter Safety Students Certified
   - Planned Actual: 2500 899
   - Planned Estimated: 2500 899

8. No. Marijuana Plants Eradicated from State Lands
   - Planned Actual: 5000 0
   - Planned Estimated: 5000 0

9. Number of Docare Volunteer Hours
   - Planned Actual: 800 1000
   - Planned Estimated: 800 1000

10. Number of Hunter Education Volunteer Hours
    - Planned Actual: 800 4185
    - Planned Estimated: 800 4185

---

- 322 -
PART I - EXPENDITURES AND POSITIONS

The Division of Conservation and Resources Enforcement (DOCARE) has been experiencing difficulties with recruitment and retention of qualified individuals. It is addressing this with the establishment of the DOCARE Academy. The expenditure decrease in FY 20 was due to vacancy payroll savings.

The division is unable to fill all 141 budgeted positions by the end FY 21 due to the funding of 42 positions being eliminated by Act 9, SLH 2020.

In FY 21 ending September 30, 2021, the decrease is due to a decrease in overall spending.

PART II - MEASURES OF EFFECTIVENESS

Item 2: A decrease in time spent on forestry and wildlife resources enforcement is a result of enforcement efforts being diverted to special response needs, including the Thirty Meter Telescope (TMT) project on the Big Island and COVID-19 pandemic.

Item 4: An increase in time spent on public lands and conservation district use enforcement is a result of an increase in patrols and calls for service in these areas, such as those relating to homelessness.

Item 5: A decrease in time spent on boating and ocean enforcement is a result of a decrease in patrols and calls for service in these areas.

Item 6: An increase in time spent on other enforcement is a result of the efforts committed to TMT on the Big Island and the COVID-19 response efforts statewide. The division also committed more time to Education and Training, including establishment of the DOCARE Academy.

PART III - PROGRAM TARGET GROUPS

Item 2: A decrease in the number of arrivals for the year is due to the restrictions placed on travel in response to the COVID-19 pandemic.

Item 3. A decrease in the number of informational and educational presentations is due to gathering restrictions related to the COVID-19 pandemic.

PART IV - PROGRAM ACTIVITIES

Item 1: An increase in enforcement miles and patrols are due to the increase in miles traveled for the TMT project and COVID-19 pandemic, respectively.

Item 2: A decrease in the number of enforcement hours is due to staffing shortage that the division is experiencing.

Item 3: A decrease in the number of arrests is a result of less activity needing this type of action.

Item 4: An increase in the number of citations issued is a result of both decreased compliance and deterrence of violations.

Item 6: An increase in the number of inspections is due to an increase in the number of situations whereby inspections of method of take, permits or natural resources in possession have occurred or are required.

Item 7: A decrease in the number of Hunter Safety students certified is a trend that is taking place nationwide. There is speculation that this trend may be affected in the upcoming years as firearms regulations are being reviewed. It was also an effect of the COVID-19 pandemic and the ability to hold certification classes.

Item 8: A decrease in the number of marijuana plants eradicated is due to an increased migration toward indoor cultivation of marijuana, the cultivation of marijuana plants for medical use, and the result of missions being diverted to COVID-19 restrictions and response efforts.

Item 9: An increase in the number of DOCARE volunteer hours is due to volunteers contributing time to special response needs.
Item 10: A decrease in the number of Hunter Education volunteer hours over FY 20 was largely due to the limitations on the ability to hold classes due to the COVID-19 pandemic.
### Part I: Expenditures & Positions
#### Research & Development Costs

<table>
<thead>
<tr>
<th>Positions</th>
<th>Expenditures ($1,000's)</th>
<th>% Change</th>
<th>Positions</th>
<th>Expenditures ($1,000's)</th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research &amp; Development Costs</td>
<td>48.00</td>
<td>43.00</td>
<td>5.00</td>
<td>10</td>
<td>48.00</td>
</tr>
<tr>
<td>Operating Costs</td>
<td>10,477</td>
<td>9,674</td>
<td>803</td>
<td>8</td>
<td>8,226</td>
</tr>
</tbody>
</table>

#### Total Costs

<table>
<thead>
<tr>
<th>Positions</th>
<th>Expenditures ($1,000's)</th>
<th>% Change</th>
<th>Positions</th>
<th>Expenditures ($1,000's)</th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Costs</td>
<td>48.00</td>
<td>43.00</td>
<td>5.00</td>
<td>10</td>
<td>48.00</td>
</tr>
</tbody>
</table>

### Part II: Measures of Effectiveness

1. **No./Percent Acres in NARS/Watershed Partnership Areas**
   - Planned: 15000
   - Actual: 17778
   - Change: +2778
   - Percent: 19%

2. **Miles Fencing Constructed/Maintained for Protection from Non-native Species**
   - Planned: 28
   - Actual: 11
   - Change: -17
   - Percent: 61%

3. **No./Percent of Acres Inspected/Monitored for Weeds**
   - Planned: 92
   - Actual: 92
   - Change: 0
   - Percent: 100%

4. **No. Acres Protected by Native Area Partnership Contracts**
   - Planned: 41
   - Actual: 41
   - Change: 0
   - Percent: 100%

5. **No. of Acres Enrolled in Watershed Partnerships**
   - Planned: 100
   - Actual: 100
   - Change: 0
   - Percent: 100%

6. **No./Percent of T&E Plant & Animal Species Managed/Outplanted/Released**
   - Planned: 100
   - Actual: 100
   - Change: 0
   - Percent: 100%

7. **No. Interns Enrolled in Forestry & Wildlife Programs**
   - Planned: 60
   - Actual: 57
   - Change: -3
   - Percent: 95%

8. **No. Volunteer Hours Devoted to Native Species Management**
   - Planned: 20000
   - Actual: 20639
   - Change: 639
   - Percent: 100%

9. **No. of Research and Education Permits Issued**
   - Planned: 95
   - Actual: 102
   - Change: 7
   - Percent: 100%

10. **No. Parcels Acquired/Protected for Native Resources/Water Management**
    - Planned: 4
    - Actual: 6
    - Change: 2
    - Percent: 150%

### Part III: Program Target Group

1. **Native Hawaiian Community Supporters/Organizations/Agencies**
   - Planned: 180
   - Actual: NO DATA
   - Change: -180
   - Percent: 100%

2. **Watershed Partnerships**
   - Planned: 10
   - Actual: NO DATA
   - Change: 0
   - Percent: 100%

3. **Water Users**
   - Planned: NO DATA
   - Actual: NO DATA
   - Change: 0
   - Percent: 0%

4. **Internship/Volunteer Program Participants**
   - Planned: 60
   - Actual: NO DATA
   - Change: 0
   - Percent: 0%

5. **Outdoor Recreationists**
   - Planned: NO DATA
   - Actual: NO DATA
   - Change: 0
   - Percent: 0%

6. **Scientists and Researchers**
   - Planned: NO DATA
   - Actual: NO DATA
   - Change: 0
   - Percent: 0%

7. **Native Hawaiian Land-use Practitioners**
   - Planned: NO DATA
   - Actual: NO DATA
   - Change: 0
   - Percent: 0%

8. **Conservation Land Acquisition Organizations/Supporters**
   - Planned: NO DATA
   - Actual: NO DATA
   - Change: 0
   - Percent: 0%

### Part IV: Program Activity

1. **Manage Natural Area Reserve System (NARS)**
   - Planned: 23
   - Actual: 23
   - Change: 0
   - Percent: 100%

2. **Support Conservancy Management/Watershed Partnership Program**
   - Planned: 10
   - Actual: 10
   - Change: 0
   - Percent: 100%

3. **Support NARS & Legacy Land Conservation Commissions**
   - Planned: 2
   - Actual: 2
   - Change: 0
   - Percent: 100%

4. **Administer Natural Area Partnership Program**
   - Planned: 10
   - Actual: 10
   - Change: 0
   - Percent: 100%

5. **Endangered Plant & Animal Species Management**
   - Planned: 531
   - Actual: 531
   - Change: 0
   - Percent: 100%

6. **Manage Internship & Volunteer Programs**
   - Planned: 11
   - Actual: 11
   - Change: 0
   - Percent: 100%

7. **Provide Nature Education Opportunities**
   - Planned: 10
   - Actual: NO DATA
   - Change: 0
   - Percent: 100%

8. **Acquire/Secure Areas for Protection/Management**
   - Planned: 4
   - Actual: 4
   - Change: 0
   - Percent: 100%
PART I - EXPENDITURES AND POSITIONS

The number of positions filled was less than budgeted for the 1st quarter of FY 21 due to vacancies attributed to staff promotions, retirements and resignations, as well as a hiring freeze that began in March 2020.

The division is unable to fill all 48 budgeted positions by the end FY 21 due to the defunding of 5 general-funded permanent positions by Act 9, SLH 2020.

PART II - MEASURES OF EFFECTIVENESS

1. Additional emphasis on non-native plant control and monitoring occurred.

2. Substantial delays occurred with the construction of new fences due to the release of Capital Improvement Program (CIP) project funding being delayed for most of the fiscal year and restrictions on helicopter use due to COVID-19.

4 and 5. The measures of effectiveness metrics of Items 4 and 5 were modified substantially this year; thus, the previous metric’s forecasted numbers are no longer relevant to the new metric and should not be used for comparison.

10. The number of parcels acquired in a year fluctuates based on the amount of parcels funded in the past and the speed the acquisition occurs. This accomplishment includes the ongoing debt service payment to acquire the Turtle Bay Makai - Kahuku Kawela Forever lands on O'ahu.

PART III - PROGRAM TARGET GROUPS

There are no significant variances for Items 2 and 4 and no data are available for Items 1, 3, 5, 6, 7, and 8.

PART IV - PROGRAM ACTIVITIES

7. No data available.

8. The number of parcels acquired in a year fluctuates based on the amount of parcels funded in the past and the speed the acquisition occurs. This accomplishment includes the ongoing debt service payment to acquire the Turtle Bay Makai - Kahuku Kawela Forever lands on O'ahu.
**STATE OF HAWAII**  
**PROGRAM TITLE:** GENERAL SUPPORT FOR NAT PHYS ENVIRONMENT  
**PROGRAM-ID:**  
**PROGRAM STRUCTURE NO:** 0403

### VARIANCE REPORT

**REPORT V61**  
**12/5/20**

#### PROGRAM TITLE:
GENERAL SUPPORT FOR NAT PHYS ENVIRONMENT

#### PROGRAM-ID:

#### PROGRAM STRUCTURE NO:
0403

---

### PART I: EXPENDITURES & POSITIONS

#### RESEARCH & DEVELOPMENT COSTS

<table>
<thead>
<tr>
<th>Positions</th>
<th>EXPENDITURES ($1,000's)</th>
<th>Budgeted</th>
<th>Actual</th>
<th>+ CHANGE</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>114.00</td>
<td>94.00</td>
<td>-20.00</td>
<td>18</td>
<td>114.00</td>
<td>94.00 -20.00 18</td>
</tr>
</tbody>
</table>

#### OPERATING COSTS

<table>
<thead>
<tr>
<th>Positions</th>
<th>EXPENDITURES ($1000's)</th>
<th>Budgeted</th>
<th>Actual</th>
<th>+ CHANGE</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>16,781</td>
<td>14,639</td>
<td>-2,142</td>
<td>13</td>
<td>5,606</td>
<td>3,064 -2,542 45</td>
</tr>
</tbody>
</table>

#### TOTAL COSTS

<table>
<thead>
<tr>
<th>Positions</th>
<th>EXPENDITURES ($1000's)</th>
<th>Budgeted</th>
<th>Actual</th>
<th>+ CHANGE</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>16,781</td>
<td>14,639</td>
<td>-2,142</td>
<td>13</td>
<td>5,606</td>
<td>3,064 -2,542 45</td>
</tr>
</tbody>
</table>

---

### PART II: MEASURES OF EFFECTIVENESS

#### 1. % ENV ASSMTS & EIS REVIEWED & PUBL IN OEQC BULLTN

<table>
<thead>
<tr>
<th>PLANNED</th>
<th>ACTUAL</th>
<th>+ CHANGE</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>100</td>
<td>+0</td>
<td>0</td>
</tr>
</tbody>
</table>

#### 2. % CONSULTS ON ENV ISSUES RESP TO GOV/LEG ON TIME

<table>
<thead>
<tr>
<th>PLANNED</th>
<th>ACTUAL</th>
<th>+ CHANGE</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>100</td>
<td>+0</td>
<td>0</td>
</tr>
</tbody>
</table>
PART I - EXPENDITURES AND POSITIONS

The variance in the General Support for Natural Physical Environment program position count is generally due to vacancies because of budget constraints, personnel turnovers, and recruitment difficulties. The variance in expenditures is the net effect of position vacancies, collective bargaining augmentation and authorized federal fund increases. Details of the position and expenditure variances are best examined at the lowest program level.

PART II - MEASURES OF EFFECTIVENESS

No significant variance.
### PART I: EXPENDITURES & POSITIONS

#### RESEARCH & DEVELOPMENT COSTS

<table>
<thead>
<tr>
<th>BUDGETED</th>
<th>ACTUAL</th>
<th>% CHANGE</th>
<th>BUDGETED</th>
<th>ACTUAL</th>
<th>% CHANGE</th>
<th>BUDGETED</th>
<th>ACTUAL</th>
<th>% CHANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>POSITIONS</td>
<td></td>
<td></td>
<td>POSITIONS</td>
<td></td>
<td></td>
<td>POSITIONS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXPENDITURES ($1,000's)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.00</td>
<td>3.00</td>
<td>- 2.00</td>
<td>40</td>
<td>5.00</td>
<td>3.00</td>
<td>- 2.00</td>
<td>40</td>
<td>5.00</td>
</tr>
<tr>
<td>OPERATING COSTS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>POSITIONS</td>
<td>410</td>
<td>285</td>
<td>- 125</td>
<td>30</td>
<td>57</td>
<td>57</td>
<td>+ 0</td>
<td>0</td>
</tr>
<tr>
<td>EXPENDITURES ($1000's)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>410</td>
<td>285</td>
<td>- 125</td>
<td>30</td>
<td>57</td>
<td>57</td>
<td>+ 0</td>
<td>0</td>
<td>171</td>
</tr>
</tbody>
</table>

#### TOTAL COSTS

<table>
<thead>
<tr>
<th>BUDGETED</th>
<th>ACTUAL</th>
<th>% CHANGE</th>
<th>BUDGETED</th>
<th>ACTUAL</th>
<th>% CHANGE</th>
<th>BUDGETED</th>
<th>ACTUAL</th>
<th>% CHANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>POSITIONS</td>
<td>410</td>
<td>285</td>
<td>- 125</td>
<td>30</td>
<td>57</td>
<td>57</td>
<td>+ 0</td>
<td>0</td>
</tr>
<tr>
<td>EXPENDITURES ($1000's)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>410</td>
<td>285</td>
<td>- 125</td>
<td>30</td>
<td>57</td>
<td>57</td>
<td>+ 0</td>
<td>0</td>
<td>171</td>
</tr>
</tbody>
</table>

### PART II: MEASURES OF EFFECTIVENESS

1. % EA/EIS PUBLISHED FOR PUBLIC NOTIFICATION ON TIME/SCHEDULE
   - PLANNED: 100, ACTUAL: 100, CHANGE: + 0
   - ESTIMATED: 100, ACTUAL: 100, CHANGE: + 0

2. % CONSULTANTS ON ENV ISSUES RESP TO GOV/LEG ON TIME
   - PLANNED: 100, ACTUAL: 100, CHANGE: + 0
   - ESTIMATED: 100, ACTUAL: 100, CHANGE: + 0

3. % INCREASE IN READERSHIP/CIRCULATION OF THE ENVIRONMENTAL NOTICE
   - PLANNED: 10, ACTUAL: 10, CHANGE: + 0
   - ESTIMATED: 10, ACTUAL: 10, CHANGE: + 0

4. % SUBMITTED STUDIES RECEIVED CRITICAL REVIEW/COMMENT BY STAFF
   - PLANNED: 80, ACTUAL: 80, CHANGE: + 20
   - ESTIMATED: 80, ACTUAL: 80, CHANGE: + 20

5. % STATE AG PREP/PROC HRS 343 DOCS W/EOQC TRAIN STAFF
   - PLANNED: NO DATA, ACTUAL: NO DATA, CHANGE: - 329
   - ESTIMATED: NO DATA, ACTUAL: NO DATA, CHANGE: - 329

### PART III: PROGRAM TARGET GROUP

1. HAWAII DEFACTO POPULATION
   - PLANNED: 1309000, ACTUAL: 1592089, CHANGE: + 283089
   - ESTIMATED: 1309000, ACTUAL: 1592089, CHANGE: + 283089

### PART IV: PROGRAM ACTIVITY

1. # EA/EIS REVIEWED
   - PLANNED: 150, ACTUAL: 136, CHANGE: - 14
   - ESTIMATED: 150, ACTUAL: 150, CHANGE: + 0

2. # CONSULTATIONS ON ENV ISSUES REQUESTED BY GOV/LEG
   - PLANNED: 10, ACTUAL: 10, CHANGE: + 0
   - ESTIMATED: 10, ACTUAL: 10, CHANGE: + 0

3. # ENV EDUCATION PROJECTS & WORKSHOPS CONDUCTED
   - PLANNED: 10, ACTUAL: 6, CHANGE: - 4
   - ESTIMATED: 10, ACTUAL: 10, CHANGE: + 0

4. # INDIV SUBSCRIBED TO THE ENVIRONMENTAL NOTICE
   - PLANNED: 1100, ACTUAL: 1138, CHANGE: + 38
   - ESTIMATED: 1200, ACTUAL: 1200, CHANGE: + 0

5. # EXEMPTION LISTS REVIEWED/CONCUR'D BY ENV COUNCIL
   - PLANNED: 10, ACTUAL: 2, CHANGE: - 8
   - ESTIMATED: 10, ACTUAL: 10, CHANGE: + 0
PART I - EXPENDITURES AND POSITIONS

FY 20 Positions and Expenditures: The Office of Environmental Quality Control (OEQC) had two vacancies: 1) the OEQC Director resigned in October 2019 (the new director needed to be confirmed by the Legislature); and 2) the Planner V was out on leave without pay from the beginning of the fiscal year and resigned in February 2020.

A Legislative adjustment, Act 9, SLH 2020, reduced the position counts and funding for the two vacant positions.

PART II - MEASURES OF EFFECTIVENESS

Item 3. OEQC promoted subscribing to the Environmental Notice through social media outreach and professional networks, resulting in an increase of the total number of subscribers. However, the increase did not meet the 10% threshold. OEQC removed the duplicate and unsubscribed email accounts from the list.

Item 4. Due to staffing issues, OEQC anticipated not being able to review or comment on all incoming environmental review documents. The office was able to meet the planned percentage threshold and continues to respond to all incoming environmental documents for review.

Item 5. Data was not available because agencies that prepare and process documents vary as well as the staff at the agencies responsible for the environmental review. Agencies do not track this information, so OEQC cannot measure it.

PART III - PROGRAM TARGET GROUPS

Item 1. The data for the de facto population was based on the 2019 State Date Book provided by the Department of Business, Economic Development and Tourism. OEQC has no control over the changes in the de facto population.

PART IV - PROGRAM ACTIVITIES

Item 3. Chapter 11-200.1 was amended and adopted in FY 20. Due to staffing issues and the start of COVID-19 in early March, OEQC had ceased conducting workshops and trainings to various agencies.

Item 5. The Environmental Council reviews or concurs on agency exemption lists based on agency requests to the Council. The Council did not receive any lists in late 2019 as the rules were being updated and advised agencies not to submit their lists before finalization of the rules.
## STATE OF HAWAII VARIANCE REPORT

**PROGRAM TITLE:** LNR - NATURAL AND PHYSICAL ENVIRONMENT  
**PROGRAM-ID:** LNR-906  
**PROGRAM STRUCTURE NO:** 040302  
**FISCAL YEAR 2019-20 THREE MONTHS ENDED 09-30-20 NINE MONTHS ENDING 06-30-21**

### PART I: EXPENDITURES & POSITIONS

<table>
<thead>
<tr>
<th></th>
<th>BUDGETED</th>
<th>ACTUAL</th>
<th>+ CHANGE</th>
<th>%</th>
<th>BUDGETED</th>
<th>ACTUAL</th>
<th>+ CHANGE</th>
<th>%</th>
<th>BUDGETED</th>
<th>ACTUAL</th>
<th>+ CHANGE</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESEARCH &amp; DEVELOPMENT COSTS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>POSITIONS</td>
<td>62.00</td>
<td>55.00</td>
<td>-7.00</td>
<td>11</td>
<td>62.00</td>
<td>54.00</td>
<td>-8.00</td>
<td>13</td>
<td>62.00</td>
<td>61.00</td>
<td>-1.00</td>
<td>2</td>
</tr>
<tr>
<td>EXPENDITURES ($1,000's)</td>
<td>7,147</td>
<td>6,393</td>
<td>-754</td>
<td>11</td>
<td>1,485</td>
<td>1,336</td>
<td>-149</td>
<td>10</td>
<td>5,356</td>
<td>5,505</td>
<td>+149</td>
<td>3</td>
</tr>
<tr>
<td>OPERATING COSTS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>POSITIONS</td>
<td>62.00</td>
<td>55.00</td>
<td>-7.00</td>
<td>11</td>
<td>62.00</td>
<td>54.00</td>
<td>-8.00</td>
<td>13</td>
<td>62.00</td>
<td>61.00</td>
<td>-1.00</td>
<td>2</td>
</tr>
<tr>
<td>EXPENDITURES ($1000's)</td>
<td>7,147</td>
<td>6,393</td>
<td>-754</td>
<td>11</td>
<td>1,485</td>
<td>1,336</td>
<td>-149</td>
<td>10</td>
<td>5,356</td>
<td>5,505</td>
<td>+149</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL COSTS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>POSITIONS</td>
<td>62.00</td>
<td>55.00</td>
<td>-7.00</td>
<td>11</td>
<td>62.00</td>
<td>54.00</td>
<td>-8.00</td>
<td>13</td>
<td>62.00</td>
<td>61.00</td>
<td>-1.00</td>
<td>2</td>
</tr>
<tr>
<td>EXPENDITURES ($1000's)</td>
<td>7,147</td>
<td>6,393</td>
<td>-754</td>
<td>11</td>
<td>1,485</td>
<td>1,336</td>
<td>-149</td>
<td>10</td>
<td>5,356</td>
<td>5,505</td>
<td>+149</td>
<td>3</td>
</tr>
</tbody>
</table>

### PART II: MEASURES OF EFFECTIVENESS

<table>
<thead>
<tr>
<th></th>
<th>FISCAL YEAR 2019-20</th>
<th>FISCAL YEAR 2020-21</th>
<th>+ CHANGE</th>
<th>%</th>
<th></th>
<th>FISCAL YEAR 2019-20</th>
<th>FISCAL YEAR 2020-21</th>
<th>+ CHANGE</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. PERCENT OF VENDOR PAYMENTS MADE WITHIN 30 DAYS</td>
<td>90 90</td>
<td>+ 0</td>
<td>0</td>
<td>90 90</td>
<td>+ 0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2. PERCENT OF PERSONNEL ACTIONS MADE WITHIN 30 DAYS</td>
<td>90 90</td>
<td>+ 0</td>
<td>0</td>
<td>90 90</td>
<td>+ 0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>3. PERCENT OF INFORMATION TECHNOLOGY REQUESTS COMPLTD</td>
<td>80 95</td>
<td>+ 15</td>
<td>19</td>
<td>80 95</td>
<td>+ 15</td>
<td>19</td>
<td>19</td>
<td>19</td>
<td>19</td>
</tr>
</tbody>
</table>

### PART III: PROGRAM TARGET GROUP

<table>
<thead>
<tr>
<th></th>
<th>FISCAL YEAR 2019-20</th>
<th>FISCAL YEAR 2020-21</th>
<th>+ CHANGE</th>
<th>%</th>
<th></th>
<th>FISCAL YEAR 2019-20</th>
<th>FISCAL YEAR 2020-21</th>
<th>+ CHANGE</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. NUMBER OF DIVISIONS IN DEPARTMENT</td>
<td>11 11</td>
<td>+ 0</td>
<td>0</td>
<td>11 11</td>
<td>+ 0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2. NUMBER OF AUTHORIZED DEPARTMENTAL PERSONNEL</td>
<td>827.5 928</td>
<td>+ 100.5</td>
<td>12</td>
<td>827.5 928</td>
<td>+ 100.5</td>
<td>12</td>
<td>12</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>3. NUMBER OF BOARDS AND COMMISSIONS SERVICED</td>
<td>9 9</td>
<td>+ 0</td>
<td>0</td>
<td>9 9</td>
<td>+ 0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

### PART IV: PROGRAM ACTIVITY

<table>
<thead>
<tr>
<th></th>
<th>FISCAL YEAR 2019-20</th>
<th>FISCAL YEAR 2020-21</th>
<th>+ CHANGE</th>
<th>%</th>
<th></th>
<th>FISCAL YEAR 2019-20</th>
<th>FISCAL YEAR 2020-21</th>
<th>+ CHANGE</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. NO. BOARD OF LAND &amp; NAT RES MEETINGS/PUB HEARINGS</td>
<td>22 21</td>
<td>- 1</td>
<td>5</td>
<td>22 22</td>
<td>+ 0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2. NUMBER OF PERSONNEL ACTIONS PROCESSED</td>
<td>4000 4700</td>
<td>+ 700</td>
<td>18</td>
<td>4000 4700</td>
<td>+ 700</td>
<td>18</td>
<td>18</td>
<td>18</td>
<td>18</td>
</tr>
<tr>
<td>3. NUMBER OF PURCHASE ORDERS PROCESSED</td>
<td>3500 2768</td>
<td>- 732</td>
<td>21</td>
<td>3500 2800</td>
<td>- 700</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>4. NUMBER OF PETTY CASH CHECKS PROCESSED</td>
<td>450 498</td>
<td>+ 48</td>
<td>11</td>
<td>450 500</td>
<td>+ 50</td>
<td>11</td>
<td>11</td>
<td>11</td>
<td>11</td>
</tr>
<tr>
<td>5. NUMBER OF INFORMATION TECHNOLOGY REQUESTS RECEIVED</td>
<td>3500 6300</td>
<td>+ 2800</td>
<td>80</td>
<td>3500 6300</td>
<td>+ 2800</td>
<td>80</td>
<td>80</td>
<td>80</td>
<td>80</td>
</tr>
</tbody>
</table>
PART I - EXPENDITURES AND POSITIONS

Position expenditure variances in FY 2019-20 were attributed to a hiring freeze per Governor's Budget Execution Policies. Position variances in the first quarter of FY 21 were attributed to the continuing hiring freeze, combined with the loss of funding for two (2) general fund positions of eight (8) vacancies.

PART II - MEASURES OF EFFECTIVENESS

Item 3. The increase in information technology (IT) requests completed is attributed to several factors, including the use of various applications that track different types of helpdesk service tickets and projects; and new software, computers, and network equipment.

PART III - PROGRAM TARGET GROUPS

Item 2. Since the last Program Structure Review, several positions have been added to the department; the planned number will be updated on the next exercise.

PART IV - PROGRAM ACTIVITIES

Item 2: In FY 19 and FY 20, there were across-the-board salary increases for six (6) bargaining units that the Department of Land and Natural Resources employees are members of, as well as their respective excluded counterparts; step movement transactions for two (2) bargaining unit employees and their respective counterparts; Employer-Union Health Benefits Trust Fund (EUTF) open enrollment; increased number of new hires, movements, and separations; position conversions and position establishments; and multiple short-term extensions for temporary and exempt positions and appointments in order to closely monitor and manage the department's financial situation.

Item 3: In FY 20, the number of purchase orders processed were lower than planned due to a more extensive use of pCards (purchasing card).

Item 4: In FY 20, there was an increase in same-day travel meal allowance, which caused an increased use of petty cash checks. This trend is expected to continue into FY 21.

Item 5: The increase is attributed to several factors, including the use of various applications that track different types of helpdesk service tickets and projects; and new software, computers, and network equipment.
## Part I: Expenditures & Positions

### Research & Development Costs

<table>
<thead>
<tr>
<th>Positions</th>
<th>Budgeted</th>
<th>Actual</th>
<th>% Change</th>
<th>Planned</th>
<th>Actual</th>
<th>% Change</th>
<th>% Change</th>
<th>Budgeted</th>
<th>Estimated</th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPERATING COSTS</td>
<td>47.00</td>
<td>36.00</td>
<td>-11.00</td>
<td>23</td>
<td>47.00</td>
<td>37.00</td>
<td>-10.00</td>
<td>21</td>
<td>47.00</td>
<td>47.00</td>
</tr>
<tr>
<td>EXPENDITURES ($1,000's)</td>
<td>9,224</td>
<td>7,961</td>
<td>-1,263</td>
<td>14</td>
<td>4,064</td>
<td>1,671</td>
<td>-2,393</td>
<td>59</td>
<td>5,152</td>
<td>7,251</td>
</tr>
<tr>
<td>TOTAL COSTS</td>
<td>47.00</td>
<td>36.00</td>
<td>-11.00</td>
<td>23</td>
<td>47.00</td>
<td>37.00</td>
<td>-10.00</td>
<td>21</td>
<td>47.00</td>
<td>47.00</td>
</tr>
<tr>
<td>EXPENDITURES ($1000's)</td>
<td>9,224</td>
<td>7,961</td>
<td>-1,263</td>
<td>14</td>
<td>4,064</td>
<td>1,671</td>
<td>-2,393</td>
<td>59</td>
<td>5,152</td>
<td>7,251</td>
</tr>
</tbody>
</table>

### Operating Costs

<table>
<thead>
<tr>
<th>Positions</th>
<th>Budgeted</th>
<th>Actual</th>
<th>% Change</th>
<th>Planned</th>
<th>Actual</th>
<th>% Change</th>
<th>% Change</th>
<th>Budgeted</th>
<th>Estimated</th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPERATING COSTS</td>
<td>47.00</td>
<td>36.00</td>
<td>-11.00</td>
<td>23</td>
<td>47.00</td>
<td>37.00</td>
<td>-10.00</td>
<td>21</td>
<td>47.00</td>
<td>47.00</td>
</tr>
<tr>
<td>EXPENDITURES ($1000's)</td>
<td>9,224</td>
<td>7,961</td>
<td>-1,263</td>
<td>14</td>
<td>4,064</td>
<td>1,671</td>
<td>-2,393</td>
<td>59</td>
<td>5,152</td>
<td>7,251</td>
</tr>
<tr>
<td>TOTAL COSTS</td>
<td>47.00</td>
<td>36.00</td>
<td>-11.00</td>
<td>23</td>
<td>47.00</td>
<td>37.00</td>
<td>-10.00</td>
<td>21</td>
<td>47.00</td>
<td>47.00</td>
</tr>
<tr>
<td>EXPENDITURES ($1000's)</td>
<td>9,224</td>
<td>7,961</td>
<td>-1,263</td>
<td>14</td>
<td>4,064</td>
<td>1,671</td>
<td>-2,393</td>
<td>59</td>
<td>5,152</td>
<td>7,251</td>
</tr>
</tbody>
</table>

### Part II: Measures of Effectiveness

<table>
<thead>
<tr>
<th>Measures</th>
<th>Fiscal Year 2019-20</th>
<th>Fiscal Year 2020-21</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. % Oil/Chem/HAZ Spill Rpts Resolv w/ Emerg Response</td>
<td>78/83 +5/6</td>
<td>78/83 +5/6</td>
</tr>
<tr>
<td>2. % State Site List Sites Cleard/Cleand, w/ Controls</td>
<td>3/5 +2/67</td>
<td>3/5 +2/67</td>
</tr>
<tr>
<td>3. % Facilities w/ Chem Inventories Shared w/ Local LEPCS</td>
<td>100/100 +0/0</td>
<td>100/100 +0/0</td>
</tr>
<tr>
<td>4. % Human Test Results Scrn or in Surv/Results Rcvd</td>
<td>74/76 +2/3</td>
<td>74/76 +2/3</td>
</tr>
</tbody>
</table>

### Part III: Program Target Group

<table>
<thead>
<tr>
<th>Measures</th>
<th>Fiscal Year 2019-20</th>
<th>Fiscal Year 2020-21</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. # of Oil/Chem/Hazardous Material Spill Rpts Rcvd</td>
<td>495/402 -93/19</td>
<td>495/402 -93/19</td>
</tr>
<tr>
<td>2. # Sites on State Site List w/ Susp/Conf Contaminnt</td>
<td>1048/995 -53/5</td>
<td>1048/995 -53/5</td>
</tr>
<tr>
<td>4. # Human Biomonitoring Results Rcvd per Mandate</td>
<td>31296/28274 -3022/10</td>
<td>31296/28274 -3022/10</td>
</tr>
</tbody>
</table>

### Part IV: Program Activity

<table>
<thead>
<tr>
<th>Measures</th>
<th>Fiscal Year 2019-20</th>
<th>Fiscal Year 2020-21</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. # Oil/Chem/Hazard Material Spill Reports Resolved</td>
<td>388/333 -55/14</td>
<td>388/333 -55/14</td>
</tr>
<tr>
<td>2. # State Site List Sites Clear/Clean/With Controls</td>
<td>35/49 +14/40</td>
<td>35/49 +14/40</td>
</tr>
<tr>
<td>4. # Human Biomonitorg Rsltsc Screened/In Surveillance</td>
<td>23307/21546 -1761/8</td>
<td>23307/21546 -1761/8</td>
</tr>
</tbody>
</table>
PART I - EXPENDITURES AND POSITIONS

The variance in the number of positions filled for FY 20 and for the first three months of FY 21 was primarily due to the lengthy recruitment process and difficulty in filling positions as well as the hiring freeze that was implemented in FY 20. Retention and recruitment have become even more difficult since relocation to Waimano Ridge, Pearl City. For FY 20, the variance was also attributable to the lengthy reorganization process that needed to be completed first to establish/vary/redescribe two of the positions.

For expenditures, the variances in FY 20 and FY 21 are due to vacancy savings and the imposed restrictions. All non-federal funds were restricted in FY 21 Q1. The budgeted amounts for Q1 are always greatly inflated due to federal fund balances being carried forward to Q1, although they are spent throughout the year and into succeeding years for multi-year awards.

PART II - MEASURES OF EFFECTIVENESS

Item 2. The increase for FY 20 was due to the use of the relatively new iHEER system and its improved ease of capturing Environmental Hazard Management Plans (EHMPs) that have been put into place, which resulted in the rise of the number of sites with controls. The same is expected for FY 21.

PART III - PROGRAM TARGET GROUPS

Item 1. The decrease for FY 20 was due to the variation in the number of incidents occurring during the year. The number of incidents occurring is the number reported to the Hazard Evaluation and Emergency Response Office. Incidents occurring vary between the mid-200s to mid-500s. The same is expected for FY 21.

Item 3. The decrease for FY 20 was because some company inventories have fallen below reporting limits due to use requirements or intentional reductions. The same is expected for FY 21.

Item 4. The decrease for FY 20 was due to fewer tests being taken at laboratories, probably due to COVID-19 discouraging routine checkups and the associated testing. The same is expected for FY 21.

PART IV - PROGRAM ACTIVITIES

Item 1. The decrease for FY 20 was due to open incidents that are awaiting written follow-up about resolution. The same is expected for FY 21.

Item 2. The increase for FY 20 was due to the use of the relatively new iHEER system and its improved ease of capturing EHMPs that have been put into place. The same is expected for FY 21.

Item 3. The decrease for FY 20 was because fewer facilities needed to report. The same is expected for FY 21.