

10 Year Capital Plan

**LOUISVILLE WATER COMPANY
2007 - 2016 CAPITAL IMPROVEMENT PLAN**

| | <u>2007</u> | <u>2008</u> | <u>2009</u> | <u>2010</u> | <u>2011</u> | <u>2007-2011</u> | <u>2012-2016</u> | <u>2007-2016</u> |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|--------------------|
| I. INFRASTRUCTURE RENEWAL | | | | | | | | |
| A. TREATMENT & PUMPING | 13,012,529 | 10,767,855 | 9,395,000 | 9,690,000 | 2,570,000 | 45,435,384 | 19,500,000 | 64,935,384 |
| B. DISTRIBUTION & TRANSMISSION | 11,183,127 | 10,078,690 | 10,247,690 | 10,492,690 | 9,733,690 | 51,735,887 | 71,368,450 | 123,104,337 |
| C. BUILDINGS, FACILITIES & GROUNDS | 3,440,473 | 590,000 | 200,000 | 575,000 | 823,000 | 5,628,473 | 3,100,000 | 8,728,473 |
| D. EQUIPMENT & VEHICLES | 2,005,296 | 1,381,860 | 1,396,404 | 1,670,632 | 968,332 | 7,422,524 | 6,847,800 | 14,270,324 |
| TOTAL | 29,641,425 | 22,818,405 | 21,239,094 | 22,428,322 | 14,095,022 | 110,222,268 | 100,816,250 | 211,038,518 |
| II. SELF-FINANCING IMPROVEMENTS | | | | | | | | |
| A. MAIN EXTENSIONS | 8,835,102 | 6,200,000 | 6,200,000 | 6,200,000 | 6,200,000 | 33,635,102 | 31,000,000 | 64,635,102 |
| B. NEW SERVICES | 4,702,332 | 4,702,332 | 4,702,332 | 4,702,332 | 4,702,332 | 23,511,660 | 23,511,660 | 47,023,320 |
| C. RELOCATIONS | 1,357,742 | 1,413,000 | 1,940,000 | 1,525,000 | 550,000 | 6,785,742 | 2,250,000 | 9,035,742 |
| D. BULLITT Co & OLDHAM Co | 1,933,069 | 1,683,800 | 536,300 | 481,850 | - | 4,635,019 | - | 4,635,019 |
| TOTAL | 16,828,245 | 13,999,132 | 13,378,632 | 12,909,182 | 11,452,332 | 68,567,523 | 56,761,660 | 125,329,183 |
| III. NEW TECHNOLOGY & FACILITIES | | | | | | | | |
| A. ADVANCED TREATMENT | 12,077,100 | 18,600,000 | 18,790,020 | 40,000,000 | 45,000,000 | 134,467,120 | 12,000,000 | 146,467,120 |
| B. TREATMENT, PUMPING & SUPPLY | 3,655,000 | 4,405,000 | 10,140,000 | 2,836,000 | 75,000 | 21,111,000 | 19,375,000 | 40,486,000 |
| C. FACILITIES | 511,620 | 50,000 | 150,000 | - | 100,000 | 811,620 | 3,500,000 | 4,311,620 |
| D. TECHNOLOGY IMPROVEMENTS | 1,973,696 | 4,254,967 | 2,291,107 | 2,257,738 | 2,756,515 | 13,534,023 | 11,100,000 | 24,634,023 |
| TOTAL | 18,217,416 | 27,309,967 | 31,371,127 | 45,093,738 | 47,931,515 | 169,923,763 | 45,975,000 | 215,898,763 |
| IV. GROWTH-RELATED IMPROVEMENTS | | | | | | | | |
| A. TRANSMISSION MAINS | 6,806,772 | 13,042,150 | 6,780,381 | 1,500,000 | 740,000 | 28,869,303 | 54,761,228 | 83,630,531 |
| B. BOOSTED PUMPING SYSTEMS | 4,029,000 | 2,550,000 | 950,000 | - | 100,000 | 7,629,000 | 2,025,000 | 9,654,000 |
| C. STORAGE FACILITIES | 2,878,610 | 2,660,000 | 3,525,000 | 1,250,000 | 1,100,000 | 11,413,610 | 19,850,000 | 31,263,610 |
| TOTAL | 13,714,382 | 18,252,150 | 11,255,381 | 2,750,000 | 1,940,000 | 47,911,913 | 76,636,228 | 124,548,141 |
| PROGRAM TOTAL | 78,401,468 | 82,379,654 | 77,244,234 | 83,181,242 | 75,418,869 | 396,625,467 | 280,189,138 | 676,814,605 |

**LOUISVILLE WATER COMPANY
2007 - 2016 CAPITAL IMPROVEMENT PLAN
CAPITAL CONTRIBUTIONS**

| | <u>2007</u> | <u>2008</u> | <u>2009</u> | <u>2010</u> | <u>2011</u> | <u>2007-2011</u> | <u>2012-2016</u> |
|--|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| RELOCATIONS | 1,462,843 | 1,929,000 | 706,400 | 1,350,000 | 350,000 | 5,798,243 | 1,750,000 |
| NEW SERVICE INSTALLATIONS | 2,654,646 | 2,654,646 | 2,654,646 | 2,654,646 | 2,654,646 | 13,273,230 | 13,273,230 |
| DEVELOPER EXTENSIONS | 2,750,000 | 2,350,000 | 2,350,000 | 2,350,000 | 2,350,000 | 12,150,000 | 11,750,000 |
| PIPELINE CONTRIBUTION (CONTR LABOR) | 3,700,000 | 3,700,000 | 3,700,000 | 3,700,000 | 3,700,000 | 18,500,000 | 18,500,000 |
| SERVICE CONTRIBUTION (CONTR LABOR) | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 100,000 | 100,000 |
| GRANTS | 2,701,910 | 0 | 0 | 0 | 0 | 2,701,910 | 0 |
| TAPPING FEES | 292,358 | 285,000 | 285,000 | 285,000 | 285,000 | 1,432,358 | 1,425,000 |
| SYSTEM DEVELOPMENT CHARGE | 1,900,000 | 1,900,000 | 1,900,000 | 1,900,000 | 1,900,000 | 9,500,000 | 9,500,000 |
| TOTAL CAPITAL CONTRIBUTIONS | 15,481,757 | 12,838,646 | 11,616,046 | 12,259,646 | 11,259,646 | 63,455,741 | 56,298,230 |

77

**2007 Capital Expenditures Plan
LEGEND**

Categories (order of capital plan)

Zorn Pump Station (ZPS)
 Crescent Hill Pump Station (CHPS)
 Crescent Hill Filter Plant (CHFP)
 BE Payne Water Treatment Plant (BEPWTP)
 PRV and Booster Pump Stations (BPS)
 Storage Tanks
 Facilities
 Water Quality/Laboratory
 Production
 Distribution Point Capital
 Vehicles/Fleet
 Equipment and Tools
 Planning/Hydraulics/GIS
 MRRP
 Transmission
 Relocations
 Metering and Billing
 Main Extensions
 Bullitt County
 Information Technology
 Unknown

Location Codes

ALLMOND - Allmond
 BC - Bullitt County
 BEPWTP - B.E. Payne Water Treatment Plant
 BPS - Booster Pump Station
 CHFP - Crescent Hill Filter Plant
 CHGM - Crescent Hill Grounds Maintenance
 CHPS - Crescent Hill Pump Station
 CHWTP - Crescent Hill Water Treatment Plant
 DEV - Developer Extensions
 DISTR SYSTEM - Distribution System
 MRRP - Main Replacement and Rehab Program
 MTOWN - Middletown
 PS - Pump Station
 RELOC - Relocation
 SHEP - Shepherdsville
 THIRD ST - Third St/Corporate Headquarters
 TRANSM - Transmission
 TRANSP - Transportation
 WRTS - Westport Rd Transfer Station
 ZPS - Zorn Pump Station

Source of Funding

Primary Source / Secondary Source
 AGN - Agency
 BCWR - Bullitt County Water Reserve
 CUST - Customer
 DEPR - Depreciation Fund
 DEV - Developer
 GRANT - Grant
 INFR - Infrastructure Reserve
 REIMB - Reimbursement
 SDC - System Development Charge
 SHEP - Shepherdsville Reserve

**2007 Capital Expenditures Plan
LEGEND**

Cost Centers (Organizations)

| | |
|--|--|
| 110 Office of The President | 371 Providing Customer and Public Information |
| 120 Internal Audit | 372 Providing Customer Information and Assistance |
| 140 General Counsel | 374 Providing Strategic Communications |
| 210 Operations | 376 Providing Government Relations |
| 221 Facility Design, Construction and Maintenance | 378 Providing Customer Service and Remittance Processing |
| 222 Production and Process Engineering | 381 Metering Services |
| 224 Facility Management | 382 Large Meter and Vault Maintenance |
| 244 Warehouse Services | 384 Meter Reading and Billing |
| 261 Managing Water Quality and Production | 386 Small Meter Maintenance and Field Customer Service |
| 262 Managing Water Treatment and Pumping Operations | 388 Metering Information Systems |
| 264 Managing Water Treatment and Pumping Maintenance | 410 Business Resourcing |
| 266 Managing Water Quality and Research | 421 Supplying Financial Resources |
| 268 Implementing RBI and Advanced Treatment Technologies | 422 General Accounting and Payroll |
| 281 Managing Distribution Operations | 424 Management Reporting, Budgets, Rates and Projects |
| 282 Fleet Services | 428 Procurement Services |
| 284 Distribution Ops, Maint and Point Capital Const, 1 | 441 Supplying IT Resources |
| 285 Distribution Ops, Maint and Point Capital Const, 2 | 444 Providing Information Supply Systems |
| 286 Distribution Ops, Maint and Point Capital Const, 3 | 446 Providing Technical Services |
| 288 First Run Response and Work Management | 461 Financing Business Risk |
| 310 Serving Customers/Business Development | 462 Corporate Claims |
| 321 Infrastructure Planning | 464 Managing Claims and Recoveries |
| 322 Capital Planning and Hydraulics | 466 Providing Loss Control Services |
| 324 Business Development and Property Acquisition | 510 Human Resource/Organizational Effectiveness |
| 326 GIS, Infrastructure Records and Surveying | 521 Supplying Human Resources and Labor Relations |
| 342 MRRP, Transmission and Relocations | 522 Human Resources |
| 348 Capital Pipeline Construction | 524 Human Resources Management Systems |
| 361 Pipeline Design and Construction | 542 Managing Employee Relations |
| 362 Service Applications | 544 Managing Workforce Diversity |
| 364 New Service Installations | 561 Supporting Organizational Effectiveness |
| 366 New Development and Distribution Extensions | 562 Providing Training and Development Services |
| 369 Bullitt County Water Improvement Program/OCEP | |

2007 Capital Budget

Category: Zorn Pump Station (ZPS) Org: 222 Production and Process Engineering Location: ZPS Funding: DEPR
 00401 **ZORN INTAKE IMPROVEMENTS** Justification: Operating Requirement

Traveling screens have exceeded their useful life. Scope of work includes replacing existing travelling screens, coating of access bridge, replacement of electrical distribution equipment and a structural evaluation of the facility.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-----------|-----------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 2,458,907 | 2,355,093 | 0 | 0 | 0 | 0 | 2,355,093 | 0 | 0 | 4,814,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 2,458,907 | 2,355,093 | 0 | 0 | 0 | 0 | 2,355,093 | 0 | 0 | 4,814,000 |

Category: Zorn Pump Station (ZPS) Org: 222 Production and Process Engineering Location: ZPS Funding: DEPR
 11312 **ZPS POWER SYSTEMS REHABILITATION** Justification: Operating Requirement

Replace Electric Service and Electric Service Switchgear (installed 1969). Replace 480 volt substation and circuit breakers (installed 1961). Replace 480 volt Power Distribution Panels.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|---------|-----------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 900,000 | 1,086,000 | 0 | 0 | 0 | 1,986,000 | 0 | 0 | 1,986,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 900,000 | 1,086,000 | 0 | 0 | 0 | 1,986,000 | 0 | 0 | 1,986,000 |

Category: Zorn Pump Station (ZPS) Org: 222 Production and Process Engineering Location: ZPS Funding: DEPR
 11311 **ZORN PUMP STATION PAC FEED SYSTEM** Justification: Operating Requirement, Improved Customer Service

Build a PAC storage and high rate feed system at Zorn Pump Station for multiple stage treatment of MIB, organic compounds, and contaminants from river spill events.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|---------|-----------|-----------|------|------|-----------|-----------|-----------|----------------|
| Gross | 40,000 | 580,000 | 1,000,000 | 1,100,000 | 0 | 0 | 2,680,000 | 0 | 0 | 2,720,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 40,000 | 580,000 | 1,000,000 | 1,100,000 | 0 | 0 | 2,680,000 | 0 | 0 | 2,720,000 |

Category: Zorn Pump Station (ZPS) Org: 222 Production and Process Engineering Location: ZPS Funding: DEPR

ZPS PUMPING UNIT OVERHAUL PROGRAM

Justification: Operating Requirement

Overhaul ZPS Pumping Units (motor rewind, pump rebuild, valve rebuild/replacement) on 20 - 25 year interval. Future years tentative schedule: 2014 - Unit #1, 2018 - Unit #8, 2019 - Unit #9.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 500,000 | 1,000,000 | 1,500,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 500,000 | 1,000,000 | 1,500,000 |

Category: Zorn Pump Station (ZPS) Org: 222 Production and Process Engineering Location: ZPS Funding: DEPR

ZPS SUBMERGED INTAKE

Justification: Security, Operating Requirement

Build a submerged intake system for Zorn Pumping Station to replace existing screen tower.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|------------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10,000,000 | 10,000,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10,000,000 | 10,000,000 |

Category: Crescent Hill Pump Station (CHPS) Org: 222 Production and Process Engineering Location: CHPS Funding: DEPR

02402 CHPS PUMP #7 OVERHAUL

Justification: Operating Requirement

Rebuild pump, rewind motor, purchase and install a new suction valve for pumping unit #7.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|---------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 126,384 | 356,116 | 0 | 0 | 0 | 0 | 356,116 | 0 | 0 | 482,500 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 126,384 | 356,116 | 0 | 0 | 0 | 0 | 356,116 | 0 | 0 | 482,500 |

Category: Crescent Hill Pump Station (CHPS) Org: 222 Production and Process Engineering Location: CHPS Funding: DEPR

11553 CHPS PUMPING UNIT OVERHAUL PROGRAM

Justification: Operating Requirement

Overhaul CHPS Pumping Units (motor rewind, pump rebuild) on a 20-25 year interval. 2007 - Unit #2 (2000hp) motor rewind, 2008 - Unit #5 (1500hp) motor rewind, and 2009 - Unit #6 (1500hp) motor rewind.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|---------|---------|---------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 400,000 | 320,000 | 320,000 | 0 | 0 | 1,040,000 | 500,000 | 1,000,000 | 2,540,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 400,000 | 320,000 | 320,000 | 0 | 0 | 1,040,000 | 500,000 | 1,000,000 | 2,540,000 |

Category: Crescent Hill Pump Station (CHPS) Org: 222 Production and Process Engineering Location: CHPS Funding: DEPR

11557 REPLACE DISCHARGE VALVES AT CHPS PUMPS #5 AND #6

Justification: Operating Requirement

Replace the discharge valves on pumps #5 and #6 at CHPS.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 140,000 | 0 | 0 | 0 | 0 | 140,000 | 0 | 0 | 140,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 140,000 | 0 | 0 | 0 | 0 | 140,000 | 0 | 0 | 140,000 |

Category: Crescent Hill Pump Station (CHPS) Org: 222 Production and Process Engineering Location: CHPS Funding: DEPR

CHPS PUMP #4 SUCTION EXTENSION

Justification: Operating Requirement

Extend pump #4 suction piping into clearwell chamber #3 and provide valving to allow pump to take suction from either clearwell chambers #3 or #4 to improve operational flexibility.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|--------|---------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 80,000 | 800,000 | 0 | 0 | 880,000 | 0 | 0 | 880,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 80,000 | 800,000 | 0 | 0 | 880,000 | 0 | 0 | 880,000 |

Category: Crescent Hill Pump Station (CHPS) Org: 222 Production and Process Engineering Location: CHPS Funding: DEPR

CHPS DISCHARGE HEADER RENOVATION

Justification: Operating Requirement

Preliminary scope of project is to reinforce the two 48 inch cast iron discharge headers inside CHPS for surge protection, useful life extension, and reduction of operational risks as an alternative to replacement. Design is scheduled for 2009.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|---------|-----------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 150,000 | 1,600,000 | 0 | 1,750,000 | 0 | 0 | 1,750,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 150,000 | 1,600,000 | 0 | 1,750,000 | 0 | 0 | 1,750,000 |

Category: Crescent Hill Filter Plant (CHFP) Org: 222 Production and Process Engineering Location: CHFP Funding: DEPR

RENOVATE CHFP SOFTENING BASINS #5 AND #6

Justification: Operating Requirement, Safety

Mixing and clarification equipment has failed in CHFP softening basins numbers 5 and 6. Project will replace mixing and clarification equipment, modify lime delivery system, and replace lighting and handrails. Project will allow split-treatment softening of raw water during high hardness, low river flow conditions. Which typically occur in late summer.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|---------|-----------|-----------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 575,335 | 2,910,338 | 4,974,665 | 0 | 0 | 0 | 7,885,003 | 0 | 0 | 8,460,338 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 575,335 | 2,910,338 | 4,974,665 | 0 | 0 | 0 | 7,885,003 | 0 | 0 | 8,460,338 |

Category: Crescent Hill Filter Plant (CHFP) Org: 222 Production and Process Engineering Location: CHFP Funding: DEPR

CHFP CHLORINE GENERATION SYSTEM

Justification: Safety, Security, Operating Requirement

Construct an on-site 0.8% hypochlorite generation system to replace existing liquid chlorine feed system. To increase Reservoir Avenue chemical storage and handling safety and security, this facility also includes unloading, storage and feed systems for ferric chloride and coagulant polymer.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|---------|-----------|-----------|-----------|------|------|------------|-----------|-----------|----------------|
| Gross | 335,000 | 3,000,000 | 3,000,000 | 5,865,000 | 0 | 0 | 11,865,000 | 0 | 0 | 12,200,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 335,000 | 3,000,000 | 3,000,000 | 5,865,000 | 0 | 0 | 11,865,000 | 0 | 0 | 12,200,000 |

Category: Crescent Hill Filter Plant (CHFP) Org: 222 Production and Process Engineering Location: CHFP Funding: DEPR

10231 CHFP FILTERS AND BACKWASH SYSTEM RENOVATION

Justification: Operating Requirement

Project to renovate 15 East/New East filters per media replacement life cycle of 20-25 years. Filters will be upgraded to accommodate deeper media and higher filter rates. Filter upgrades will require higher backwash flow rates, consequently, project includes funding a backwash system improvements to provide a higher backwash water flow rates and an upgrade of surface wash to an air scour system.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|---------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------|
| Gross | 223,568 | 498,432 | 1,500,000 | 4,000,000 | 2,000,000 | 2,000,000 | 9,998,432 | 1,500,000 | 0 | 11,722,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 223,568 | 498,432 | 1,500,000 | 4,000,000 | 2,000,000 | 2,000,000 | 9,998,432 | 1,500,000 | 0 | 11,722,000 |

Category: Crescent Hill Filter Plant (CHFP) Org: 222 Production and Process Engineering Location: DISTR SYSTEM Funding: DEPR

11556 RENOVATE S. COAG POWER DISTRIBUTION SYSTEM

Justification: Operating Requirement

Replace power panels (480v and 120v), transformers, electric valve actuators for influent and effluent valves.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 245,000 | 0 | 0 | 0 | 0 | 245,000 | 0 | 0 | 245,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 245,000 | 0 | 0 | 0 | 0 | 245,000 | 0 | 0 | 245,000 |

Category: Crescent Hill Filter Plant (CHFP) Org: 222 Production and Process Engineering Location: CHFP Funding: DEPR

11558 SANDBLAST AND RECOAT CHFP AMMONIA STORAGE TANK

Justification: Operating Requirement

Sandblast and paint ammonia storage tank to replace failed coating system installed in 1978 with original tank installation. Replace valves and heaters. Provide temporary ammonia storage and feed system during construction.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|--------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 60,000 | 0 | 0 | 0 | 0 | 60,000 | 0 | 0 | 60,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 60,000 | 0 | 0 | 0 | 0 | 60,000 | 0 | 0 | 60,000 |

Category: Crescent Hill Filter Plant (CHFP) Org: 222 Production and Process Engineering Location: CHFP Funding: DEPR

Justification: Operating Requirement

CHFP NORTH FLOC AND SEDIMENTATION BASIN RENOVATION

Project will replace flocculators and clarifier sludge scrapers in 4 North Coag Basins at CHFP. Replace horizontal flocculators with vertical flocculators. Add a rapid mixer to improve coagulant mixing efficiency. Replace electrical power distribution equipment and lighting. Flocculators were last renovated in 1983.

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|------|---------|-----------|-----------|------|-----------|-----------|----------------|
| PRIOR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,200,000 |
| Gross | 0 | 250,000 | 1,600,000 | 3,350,000 | 0 | 0 | 0 | 5,200,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 250,000 | 1,600,000 | 3,350,000 | 0 | 0 | 0 | 5,200,000 |

Category: Crescent Hill Filter Plant (CHFP) Org: 222 Production and Process Engineering Location: CHFP Funding: DEPR

Justification: Operating Requirement

CONSTRUCT PACL STORAGE AND FEED SYSTEM

Construct a permanent facility to house PACL storage and feed system.

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|------|--------|---------|------|------|-----------|-----------|----------------|
| PRIOR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 350,000 |
| Gross | 0 | 50,000 | 300,000 | 0 | 0 | 0 | 0 | 350,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 50,000 | 300,000 | 0 | 0 | 0 | 0 | 350,000 |

Category: Crescent Hill Filter Plant (CHFP) Org: 222 Production and Process Engineering Location: CHWTP Funding: DEPR

Justification: Operating Requirement

LARGE VALVE REPLACEMENT AND REHABILITATION AT CHWTP

Annual program to replace and rehabilitate large valves in critical plant applications. Valves vary in size from 24" to 48".

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|------|------|---------|---------|---------|-----------|-----------|----------------|
| PRIOR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,050,000 |
| Gross | 0 | 0 | 350,000 | 350,000 | 350,000 | 0 | 0 | 1,050,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 350,000 | 350,000 | 350,000 | 0 | 0 | 1,050,000 |

Category: Crescent Hill Filter Plant (CHFP) Org: 222 Production and Process Engineering Location: RESERVOIR Funding: DEPR
RESERVOIR OVERFLOW AND EMERGENCY DRAIN PIPING Justification: Operating Requirement

Install piping to provide overflow protection and a means to drain reservoir quickly and provide alternative drain path to MSD system.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|---------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 761,000 | 0 | 761,000 | 0 | 0 | 761,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 761,000 | 0 | 761,000 | 0 | 0 | 761,000 |

Category: Crescent Hill Filter Plant (CHFP) Org: 222 Production and Process Engineering Location: CHFP Funding: DEPR
CHFP ALTERNATIVE DISINFECTION PROCESS Justification: Regulatory, Operating Requirement

Facilities Plan recommends LWC install alternative disinfection process such as ozone, ultraviolet, chlorine dioxide, etc. to treat 180 MGD. May be required by EPA water quality regulations or LWC internal treatment standards. Requirement is to be reviewed after implementation of riverbank infiltration or other advanced treatment methods.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|------------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13,000,000 | 0 | 13,000,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13,000,000 | 0 | 13,000,000 |

Category: Crescent Hill Filter Plant (CHFP) Org: 222 Production and Process Engineering Location: CHFP Funding: DEPR
CONTINGENCY FUNDING AT CHFP Justification: Operating Requirement

Facilities Plan recommends LWC begin budgeting funding annually in last 15 years of the planning period for unidentified plant projects.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|------------|------------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10,000,000 | 20,000,000 | 30,000,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10,000,000 | 20,000,000 | 30,000,000 |

| | | | | | | | | | |
|-----------|---|-----------|--|-----------|------|----------|-----------|-----------|----------------|
| Category: | BE Payne Water Treatment Plant (BEP) | Org: | 222 Production and Process Engineering | Location: | BEP | Funding: | DEPR | | |
| 10233 | RENOVATE BEP COAGULATION AND SOFTENING BASINS | | | | | | | | |
| | 1998 - 2002 Annual Inspection reports recommend a recurring annual program to renovate mixers/floculators and clarifiers in BEP WTP coagulation and softening basins. Basins are approaching 29 years service life. | | | | | | | | |
| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2012-2016 | 2017-2026 | Total Estimate |
| Gross | 6,266,150 | 5,052,550 | 2,187,190 | 0 | 0 | 0 | 7,239,740 | 0 | 13,505,890 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 6,266,150 | 5,052,550 | 2,187,190 | 0 | 0 | 0 | 7,239,740 | 0 | 13,505,890 |

| | | | | | | | | | |
|-----------|---|--------|--|-----------|-----------|----------|-----------|-----------|----------------|
| Category: | BE Payne Water Treatment Plant (BEP) | Org: | 222 Production and Process Engineering | Location: | BEP/WTP | Funding: | DEPR | | |
| 11310 | RENOVATE BEP/WTP #3 SLUDGE LAGOON | | | | | | | | |
| | BEP/WTP sludge lagoon #3 has reached its capacity to accumulate solids from treatment plant residuals. Project will remove accumulated solids, rehabilitate underdrain system, berms, inlet/outlet structures, control valves and gates to extend the life of the facility. | | | | | | | | |
| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2012-2016 | 2017-2026 | Total Estimate |
| Gross | 90,000 | 20,000 | 150,000 | 2,000,000 | 1,640,000 | 0 | 3,810,000 | 0 | 3,900,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 90,000 | 20,000 | 150,000 | 2,000,000 | 1,640,000 | 0 | 3,810,000 | 0 | 3,900,000 |

| | | | | | | | | | |
|-----------|--|------|--|-----------|-----------|----------|-----------|-----------|----------------|
| Category: | BE Payne Water Treatment Plant (BEP) | Org: | 222 Production and Process Engineering | Location: | BEP/WTP | Funding: | DEPR | | |
| | EXPAND BEP/WTP CLEARWELL | | | | | | | | |
| | Project will construct an additional 6 MG capacity for the BEP clearwell per KYDOW requirements. | | | | | | | | |
| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2012-2016 | 2017-2026 | Total Estimate |
| Gross | 0 | 0 | 200,000 | 2,000,000 | 2,000,000 | 0 | 4,200,000 | 0 | 4,200,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 200,000 | 2,000,000 | 2,000,000 | 0 | 4,200,000 | 0 | 4,200,000 |

| | | | | | | | | | | | | |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|---|-----------|
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,500,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,500,000 |
| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate | | |

The Facility Plan recommends construction of aeration facilities to remove iron and manganese from RBF water, if necessary.

AERATION FOR IRON AND MANGANESE REMOVAL AT BEPWT
 Category: BE Payne Water Treatment Plant (BEP) Org: 222 Production and Process Engineering
 Location: BEPWT Funding: DEPR
 Justification: Operating Requirement, Regulatory

| | | | | | | | | | | | | |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|---|------------|
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15,000,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15,000,000 |
| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate | | |

Facilities Plan recommends LWC begin budgeting funds in the last 15 years of the planning period for unidentified projects.

CONTINGENCY FUNDING AT BEPWT
 Category: BE Payne Water Treatment Plant (BEP) Org: 222 Production and Process Engineering
 Location: BEPWT Funding: DEPR
 Justification: Operating Requirement

| | | | | | | | | | | | | |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|---|-----------|
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,500,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,500,000 |
| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate | | |

Facilities Plan recommends LWC install alternative disinfection process such as ozone, chlorine dioxide, ultraviolet, etc. to treat 60 MGD. May be required by EPA Water Quality regulations or LWC internal treatment standards. Requirement to be reviewed after implementation of riverbank infiltration.

BEPWT ALTERNATIVE DISINFECTION PROCESS
 Category: BE Payne Water Treatment Plant (BEP) Org: 222 Production and Process Engineering
 Location: BEPWT Funding: DEPR
 Justification: Regulatory

Category: PRV and Booster Pump Stations (BPS) Org: 222 Production and Process Engineering Location: BPS Funding: SDC/DEPR
 02603 PRP II BPS (ARNOLDTOWN RD) Justification: Operating Requirement, Reliability

Project will construct a redundant booster pump station to improve reliability in the 810 PZ.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 23,000 | 277,000 | 0 | 0 | 0 | 0 | 277,000 | 0 | 0 | 300,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 23,000 | 277,000 | 0 | 0 | 0 | 0 | 277,000 | 0 | 0 | 300,000 |

Category: PRV and Booster Pump Stations (BPS) Org: 342 MRRP, Transmission and Relocations Location: BPS Funding: DEPR/AGENCY
 10030 WESTPORT RD TRANSFER STATION Justification: Operating Requirement, Regulatory, Other

Relocate Westport Rd pump station and related piping to accommodate new interchange and roadway construction for the Watterson Expressway. Project includes constructing a new building, new pumping equipment, and add transfer capabilities to allow delivery of 45 MGD from the 860 PP to the 660 PP to increase system reliability.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-----------|----------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 3,545,235 | 80,000 | 0 | 0 | 0 | 0 | 80,000 | 0 | 0 | 3,625,235 |
| Contrib | 0 | -362,373 | 0 | 0 | 0 | 0 | -362,373 | 0 | 0 | -362,373 |
| Net | 3,545,235 | -282,373 | 0 | 0 | 0 | 0 | -282,373 | 0 | 0 | 3,262,862 |

Category: PRV and Booster Pump Stations (BPS) Org: 222 Production and Process Engineering Location: BPS Funding: SDC/DEPR
 11551 690 PZ BPS Justification: Operating Requirement, Economic Benefit, Improved Customer Service, Growth Related

Construct two booster pump stations in the I-65/Fern Valley/Old Shepherdsville Rd area to supply the proposed 690 PZ.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|-----------|-----------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 1,500,000 | 1,500,000 | 0 | 0 | 0 | 3,000,000 | 0 | 0 | 3,000,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 1,500,000 | 1,500,000 | 0 | 0 | 0 | 3,000,000 | 0 | 0 | 3,000,000 |

Category: PRV and Booster Pump Stations (BPS) Org: 222 Production and Process Engineering Location: BPS Funding: SDCDEPR

11554 CROSS COUNTY HEADER BPS

Justification: Operating Requirement, Improved Customer Service, Growth Related

Install a 10 MGD BPS on the 24" Cross County Header to provide additional flow to the stressed southern end of the elevated service area. This project will, in part, allow deferral of portions of the Gene Snyder transmission main

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|-----------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 1,200,000 | 0 | 0 | 0 | 0 | 1,200,000 | 0 | 0 | 1,200,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 1,200,000 | 0 | 0 | 0 | 0 | 1,200,000 | 0 | 0 | 1,200,000 |

Category: PRV and Booster Pump Stations (BPS) Org: 222 Production and Process Engineering Location: Funding: DEPR

11555 PROSPECT PRV CONTROL STATION

Justification: Operating Requirement

Project will design and construct a new multi-pressure plane PRV station to serve 770, 820 and 660 pressure zones from the BEPWTP 60 inch and 36 inch transmission supply lines.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|---------|---------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 300,000 | 300,000 | 0 | 0 | 0 | 600,000 | 0 | 0 | 600,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 300,000 | 300,000 | 0 | 0 | 0 | 600,000 | 0 | 0 | 600,000 |

Category: PRV and Booster Pump Stations (BPS) Org: 222 Production and Process Engineering Location: Funding: DEPR

11552 900 PZ PRESSURE REDUCING STATIONS (2)

Justification: Economic Benefit, Improved Customer Service, Growth Related

Build two pressure reducing stations (PRVs) to supply the 900 PZ from the 950 PZ.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 150,000 | 0 | 0 | 0 | 0 | 150,000 | 0 | 0 | 150,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 150,000 | 0 | 0 | 0 | 0 | 150,000 | 0 | 0 | 150,000 |

Category: PRV and Booster Pump Stations (BPS) Org: 222 Production and Process Engineering Location: BPS Funding: SDC\DEPR
 11356 SALT RIVER BPS Justification: Operating Requirement, Improved Customer Service, Growth Related

An additional Salt River crossing will be completed in 2007. LWC will need a temporary pump station on this line on the south side of Salt River to lift water into the Cedar Grove 690 tank from the 660 system.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|--------|---------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 20,000 | 100,000 | 0 | 0 | 0 | 120,000 | 0 | 0 | 120,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 20,000 | 100,000 | 0 | 0 | 0 | 120,000 | 0 | 0 | 120,000 |

Category: PRV and Booster Pump Stations (BPS) Org: 222 Production and Process Engineering Location: BPS Funding: SDC\DEPR
 11609 900 PZ - WATTERSON TRAIL BPS Justification: Operating Requirement, Growth, Improved Customer Service

Build a BPS at Watterson Trail and Moser Rd to supply the expanded 900 PZ.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|--------|---------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 75,000 | 325,000 | 0 | 0 | 0 | 400,000 | 0 | 0 | 400,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 75,000 | 325,000 | 0 | 0 | 0 | 400,000 | 0 | 0 | 400,000 |

Category: PRV and Booster Pump Stations (BPS) Org: 222 Production and Process Engineering Location: BPS Funding: SDC\DEPR
 11610 900 PZ TUCKER STATION BPS Justification: Operating Requirement

Build a BPS at Tucker Station and Ellingsworth to supply the expanded 900 PZ.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|--------|---------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 75,000 | 325,000 | 0 | 0 | 0 | 400,000 | 0 | 0 | 400,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 75,000 | 325,000 | 0 | 0 | 0 | 400,000 | 0 | 0 | 400,000 |

Category: PRV and Booster Pump Stations (BPS) Org: 222 Production and Process Engineering Location: BPS Funding: SDC\DEPR
 Justification: Operating Requirement

RENOVATE FREY'S HILL BPS

Replace electrical service, motor center, pumps, motors, discharge valves, lighting and ventilation.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|---------|---------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 100,000 | 775,000 | 0 | 0 | 875,000 | 0 | 0 | 875,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 100,000 | 775,000 | 0 | 0 | 875,000 | 0 | 0 | 875,000 |

Category: PRV and Booster Pump Stations (BPS) Org: 222 Production and Process Engineering Location: WRTS Funding: DEPR
 Justification: Regulatory, Operating Requirement, Growth Related

WRTS STANDBY GENERATOR

Provide standby power for Westport Rd Transfer Station in accordance with ten states standards for back-up power supply.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|---------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 400,000 | 0 | 0 | 400,000 | 0 | 0 | 400,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 400,000 | 0 | 0 | 400,000 | 0 | 0 | 400,000 |

Category: PRV and Booster Pump Stations (BPS) Org: 222 Production and Process Engineering Location: BPS Funding: SDC\DEPR
 Justification: Operating Requirement

I-64 BPS

Construct a booster pump station in conjunction with the I-64 Transmission line.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|---------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 400,000 | 0 | 0 | 400,000 | 0 | 0 | 400,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 400,000 | 0 | 0 | 400,000 | 0 | 0 | 400,000 |

Category: PRV and Booster Pump Stations (BPS) Org: 222 Production and Process Engineering Location: BPS Funding: SDC\DEPR
UPGRADE SHELBYVILLE ROAD AND AIKEN ROAD BPS Justification: Operating Requirement, Growth, Improved Customer Service

Upgrade existing BPS's to increase capacity to eastern Jefferson County/Long Run Tank service area. Pump impellers and electrical service will be replaced to meet new station discharge requirement to serve a 900 foot msl overflow storage tank in the Long Run vicinity.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|---------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 150,000 | 0 | 0 | 150,000 | 0 | 0 | 150,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 150,000 | 0 | 0 | 150,000 | 0 | 0 | 150,000 |

Category: PRV and Booster Pump Stations (BPS) Org: 222 Production and Process Engineering Location: Funding: DEPR
I-64 PRESSURE REDUCING STATIONS (2) Justification:

Construct 2-3 PRV stations to supply water from the I-64 transmission line operating at 950 msl. Stations will allow the supply of water at reduced pressure to thign growth areas surrounding I-64.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|---------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 100,000 | 100,000 | 0 | 0 | 100,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 100,000 | 100,000 | 0 | 0 | 100,000 |

Category: PRV and Booster Pump Stations (BPS) Org: 222 Production and Process Engineering Location: BPS Funding: SDC\DEPR
MARQUETTE 860 PZ BPS Justification: Operating Requirement, Growth

Construct 860 PZ BPS to expand supplies to the ESA from the primary city system. BPS will take suction from the Marquette 30" transmission main and provide water to the ESA along the I-64 corridor.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,500,000 | 0 | 1,500,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,500,000 | 0 | 1,500,000 |

Category: PRV and Booster Pump Stations (BPS) Org: 222 Production and Process Engineering Location: BPS Funding: SDC\DEPR

HIKES POINT BPS PUMP AND IMPELLER MODIFICATIONS

Justification: Operating Requirement

Facilities Plan recommends LWC modify pumps and change impellers to allow pumping to an expanded 770 PP system. Scope determined by Hydraulic Master Plan. Coordinate with Hikes Point Elevated Tank and completion of 860 PP construction projects. This project pending final decisions on scope of 770 PP extension.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 250,000 | 0 | 250,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 250,000 | 0 | 250,000 |

Category: PRV and Booster Pump Stations (BPS) Org: 222 Production and Process Engineering Location: BPS Funding: SDC\DEPR

ENGLISH STATION STANDPIPE BPS

Justification: Operating Requirement

Installation of a 20 MGD pumping station to allow the use of an additional 5 MGD from English Station standpipe. Pumps will utilize English Station standpipe as a suction supply. Discharge will be to 860 or 900 pressure zone.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,000,000 | 5,000,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,000,000 | 5,000,000 |

Category: PRV and Booster Pump Stations (BPS) Org: 222 Production and Process Engineering Location: BPS Funding: SDC\DEPR

REPLACE SMYRNA BPS

Justification: Operating Requirement

Future growth in the southern portion of the ESA may require replacing, relocating and expanding the Smyrna BPS. Station will be located closer to the primary city transmission system to enhance suction capabilities and allow expanded pumping capacities. Existing station will be converted to a 770 BPZ.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,460,000 | 6,460,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,460,000 | 6,460,000 |

Category: Storage Tanks Org: 222 Production and Process Engineering Location: STORAGE/GOSHEN Funding: SDC\DEPR
 99407 GOSHEN ELEVATED STORAGE TANK Justification: Operating Requirement, Regulatory

Facilities Plan recommends installation of new 1.0 MG elevated water tank at 860 msl OF to support growth in the new service area.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-----------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 1,699,000 | 379,031 | 0 | 0 | 0 | 0 | 379,031 | 0 | 0 | 2,078,031 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 1,699,000 | 379,031 | 0 | 0 | 0 | 0 | 379,031 | 0 | 0 | 2,078,031 |

Category: Storage Tanks Org: 222 Production and Process Engineering Location: STORAGE Funding: SDC\DEPR
 00407 900 PZ - AIKEN/JOHNSON RD ELEVATED TANK Justification: Operating Requirement, Growth

Construct 1MG elevated water storage tank operating within the 900 PZ to serve growth in eastern Jefferson County and improve area pressures.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|---------|---------|-----------|---------|------|------|-----------|-----------|-----------|----------------|
| Gross | 500,000 | 250,000 | 1,310,000 | 905,000 | 0 | 0 | 2,465,000 | 0 | 0 | 2,965,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 500,000 | 250,000 | 1,310,000 | 905,000 | 0 | 0 | 2,465,000 | 0 | 0 | 2,965,000 |

Category: Storage Tanks Org: 222 Production and Process Engineering Location: STORAGE Funding: SDC\DEPR
 11550 690 PZ - NORTHERN BULK STORAGE TANKS Justification: Operating Requirement, Economic Benefit, Improved Customer Service, Growth Related

Construct two 2.5 MG standpipes on Conestoga Pkwy near Hwy 61 as primary storage for the 690 PZ.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|---------|---------|-----------|-----------|------|------|-----------|-----------|-----------|----------------|
| Gross | 200,000 | 500,000 | 1,000,000 | 1,000,000 | 0 | 0 | 2,500,000 | 0 | 2,500,000 | 5,200,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 200,000 | 500,000 | 1,000,000 | 1,000,000 | 0 | 0 | 2,500,000 | 0 | 2,500,000 | 5,200,000 |

Category: Storage Tanks Org: 222 Production and Process Engineering Location: STORAGE Funding: SDC/DEPR
 10228 HIGHVIEW/HERITAGE 770 PZ ELEVATED TANK Justification: Operating Requirement

Facilities Plan recommends installation of new elevated tank in 770 PZ in Highview area to improve customer service and support growth of 770 PP.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|---------|-----------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 350,000 | 1,000,000 | 0 | 0 | 1,350,000 | 0 | 0 | 1,350,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 350,000 | 1,000,000 | 0 | 0 | 1,350,000 | 0 | 0 | 1,350,000 |

Category: Storage Tanks Org: 222 Production and Process Engineering Location: STORAGE Funding: DEPR
 SANDBLAST AND RECOAT STEEL STORAGE TANKS Justification: Operating Requirement

CH2 Corrosion Audit, Facilities Plan and Annual Inspections recommend routine sandblasting and recoating of steel water storage tanks on a 20-25 year interval to extend the life of the facilities.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|---------|---------|---------|---------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 200,000 | 200,000 | 750,000 | 220,000 | 1,370,000 | 2,000,000 | 4,000,000 | 7,370,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 200,000 | 200,000 | 750,000 | 220,000 | 1,370,000 | 2,000,000 | 4,000,000 | 7,370,000 |

Category: Storage Tanks Org: 222 Production and Process Engineering Location: STORAGE Funding: SDC/DEPR
 900 PZ - ENGLISH STATION ELEVATED TANK Justification: Operating Requirement, Growth, Improved Customer Service

Project to establish 900 PZ service to the Middletown area by building a 1.0 MG elevated storage tank at a 900 ft. msl overflow at or near the English Station Tank. Storage facility and 900 PZ will solve low pressure problems in the area.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|---------|-----------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 620,000 | 1,000,000 | 0 | 1,620,000 | 0 | 0 | 1,620,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 620,000 | 1,000,000 | 0 | 1,620,000 | 0 | 0 | 1,620,000 |

Category: Storage Tanks Org: 222 Production and Process Engineering Location: BC Funding: SDC/DEPR
BULLITT CO BOOSTER RECHLORAMINATION STATION Justification: Regulatory

Install booster chloramination system in Bullitt County to maintain chloramine residual within regulatory required levels.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|---------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 250,000 | 0 | 250,000 | 0 | 0 | 250,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 250,000 | 0 | 250,000 | 0 | 0 | 250,000 |

Category: Storage Tanks Org: 222 Production and Process Engineering Location: RESERVOIR Funding: DEPR
CARDINAL HILL RESERVOIR RENOVATION Justification: Operating Requirement

The Cardinal Hill Reservoir is approaching the end of its useful economic life. A major renovation (roof liner, surface drainage, crack restoration, drain system, sluice gates, etc.) is necessary to assure integrity of water quality and extension of the useful life of the facility.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|---------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 900,000 | 900,000 | 0 | 0 | 900,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 900,000 | 900,000 | 0 | 0 | 900,000 |

Category: Storage Tanks Org: 222 Production and Process Engineering Location: STORAGE Funding: SDC/DEPR
I-64 5 MG BULK STORAGE TANK Justification: Operating Requirement, Growth

Facility Plan recommended construction of additional bulk storage in the 860 PZ along the future I-64 transmission line.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|---------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 200,000 | 200,000 | 6,000,000 | 0 | 6,200,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 200,000 | 200,000 | 6,000,000 | 0 | 6,200,000 |

Category: Org: Location: Funding:
ENGLISH STATION II 860 PZ 10 MG STANDPIPE Justification:

Construct a 10 MG storage facility at LWC's Middletown site for additional ESA storage capacity and storage redundancy.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|------------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10,000,000 | 0 | 10,000,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10,000,000 | 0 | 10,000,000 |

Category: Org: Location: Funding:
900 PZ - TUCKER STATION ELEVATED WATER TANK Justification:

Facility Plan recommends additional storage will be required to support the growth of the 900 PZ. Plan is to construct a 1 MG composite elevated tank with an overflow of 900 foot msl. The project was approved by BOWW in July 03.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,300,000 | 0 | 2,300,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,300,000 | 0 | 2,300,000 |

Category: Org: Location: Funding:
HIKES POINT 770 PZ ELEVATED TANK Justification:

Facilities Plan recommends installation of new 1.0 MG composite, elevated storage tank in the Hikes Point area to support expansion of the 770 PZ pressure plane. Facility will bring the area into compliance with LWC pressure standards of 50 psi to improve customer service and added additional capacity to support growth. Project will be coordinated with Hikes Point BPS project.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,350,000 | 0 | 1,350,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,350,000 | 0 | 1,350,000 |

Category: Storage Tanks Org: 222 Production and Process Engineering Location: STORAGE Funding: SDC\DEPR
 Justification: Operating Requirement

SNYDER FRWY 5 MG TANK

Facility Plan recommended construction of additional bulk storage in the 860 PZ along the future I-265 transmission line.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 200,000 | 6,000,000 | 6,200,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 200,000 | 6,000,000 | 6,200,000 |

Category: Storage Tanks Org: 222 Production and Process Engineering Location: STORAGE Funding: SDC\DEPR
 Justification: Operating Requirement, Growth

CONSTRUCT BARDSTOWN RD ELEVATED WATER TANK

Construct or rehabilitate 1.5 MG water tank with OF elevation 865 msl to improve system flow and pressure in south-central county area. Engineering evaluation to be completed following a system impact analysis of the Biltown Road elevated tank, BPS, and piping improvements.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,000,000 | 6,000,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,000,000 | 6,000,000 |

Category: Storage Tanks Org: 222 Production and Process Engineering Location: STORAGE Funding: SDC\DEPR
 Justification: Operating Requirement, Growth-Related

1 MG EL 770 PZ STORAGE AT BARDSTOWN AND HURSTBOURNE

Construct a 1 MG elevated storage tank to serve growth in the 770 PZ.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,000,000 | 3,000,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,000,000 | 3,000,000 |

Category: Storage Tanks Org: 222 Production and Process Engineering Location: STORAGE Funding: SDCDEPR
SHELBY COUNTY REGIONAL STORAGE TANK Justification: Operating Requirement, Growth-related

Construct a Regional Storage Facility in Shelby Co to service growth and improve service to Shelby Co wholesale customers.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,000,000 | 3,000,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,000,000 | 3,000,000 |

Category: Storage Tanks Org: 222 Production and Process Engineering Location: STORAGE Funding: SDCDEPR
DRY RIDGE BPS AND ELEVATED STORAGE TANK Justification: Operating Requirement, Growth-related

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,200,000 | 1,200,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,200,000 | 1,200,000 |

Category: Storage Tanks Org: 222 Production and Process Engineering Location: STORAGE Funding: SDCDEPR
CLARK STATION RD 0.25 MG ELEVATED STORAGE TANK Justification: Growth-related, Operating Requirement

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 800,000 | 800,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 800,000 | 800,000 |

Category: Storage Tanks Org: 222 Production and Process Engineering Location: STORAGE Funding: SDC\DEPR
SNAWDER HILL ELEVATED 0.10 MG STORAGE TANK Justification: Operating Requirement, Growth

Construct an elevated storage facility in the Jefferson Memorial Forest area to serve growth and improve fire flow availability.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 400,000 | 400,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 400,000 | 400,000 |

Category: Facilities Org: 224 Facility Management Location: CHFP Funding: DEPR
0363B REPLACE SLATE AND TILE ROOFS AT CHFP N/S FILTER BLDG Justification: Operating Requirement, Safety

Based on consultant condition assessment report, aging 100-year roof structures at ZPS, CHFP and CHPS may require replacement to protect from leakage, to maintain structural integrity of the structures and prevent potential personnel hazards from falling slate roof panels.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-----------|-----------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 2,550,079 | 1,631,890 | 0 | 0 | 0 | 0 | 1,631,890 | 2,500,000 | 0 | 6,681,969 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 2,550,079 | 1,631,890 | 0 | 0 | 0 | 0 | 1,631,890 | 2,500,000 | 0 | 6,681,969 |

Category: Facilities Org: 224 Facility Management Location: ZPS Funding: DEPR
10615 ZORN WATER TOWER COATING SYSTEM REHABILITATION Justification: Operating Requirement, Improved Customer Service

Rehabilitation of coating on Zorn Water Tower including related miscellaneous improvements.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|---------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 116,000 | 477,240 | 0 | 0 | 0 | 0 | 477,240 | 0 | 0 | 593,240 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 116,000 | 477,240 | 0 | 0 | 0 | 0 | 477,240 | 0 | 0 | 593,240 |

Category: Facilities Org: 224 Facility Management Location: CHFP Funding: DEPR
02656 REPLACEMENT OF 480V TRANSFORMER AT CHFP Justification: Safety, Operating Requirement

Existing 480 Volt Heating Transformer/Substation is 24+ years old. It has exceeded its economic life and is subject to a major failure and is a potential fire risk.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 33,449 | 314,343 | 0 | 0 | 0 | 0 | 314,343 | 0 | 0 | 347,792 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 33,449 | 314,343 | 0 | 0 | 0 | 0 | 314,343 | 0 | 0 | 347,792 |

Category: Facilities Org: 224 Facility Management Location: CHFP Funding: DEPR
11318 CHFP BOTTLING BUILDING FLOORING IMPROVEMENT AND ROOF REPAIRS Justification: Safety, Operating Requirement

Replace existing asphalt floor in Pure Tap Bottling Bldg with new concrete floor.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|--------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 30,000 | 65,000 | 0 | 0 | 0 | 0 | 65,000 | 0 | 0 | 95,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 30,000 | 65,000 | 0 | 0 | 0 | 0 | 65,000 | 0 | 0 | 95,000 |

Category: Facilities Org: 224 Facility Management Location: CHFP Funding: DEPR
11352 CHFP EAST FILTER GALLERY WINDOW REPLACEMENT Justification: Safety, Operating Requirement

Replace existing deteriorated windows in CHFP East Filter Gallery.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 20,000 | 140,000 | 0 | 0 | 0 | 0 | 140,000 | 0 | 0 | 160,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 20,000 | 140,000 | 0 | 0 | 0 | 0 | 140,000 | 0 | 0 | 160,000 |

Category: Facilities Org: 224 Facility Management Location: BEP Funding: DEPR

11252 BEPWTP LANDSCAPE

Justification:

New landscape for BEPWTP.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|--------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 15,000 | 85,000 | 0 | 0 | 0 | 0 | 85,000 | 0 | 0 | 100,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 15,000 | 85,000 | 0 | 0 | 0 | 0 | 85,000 | 0 | 0 | 100,000 |

Category: Facilities Org: 224 Facility Management Location: ALLMOND Funding: DEPR

11313 ALLMOND AVENUE STORAGE BUILDING STRUCTURAL IMPROVEMENTS

Justification: Safety, Operating Requirement

Replace existing bulk materials storage building that is damaged and deteriorated.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 12,000 | 168,000 | 0 | 0 | 0 | 0 | 168,000 | 0 | 0 | 180,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 12,000 | 168,000 | 0 | 0 | 0 | 0 | 168,000 | 0 | 0 | 180,000 |

Category: Facilities Org: 224 Facility Management Location: RRCC Funding: DEPR

11353 RIVER ROAD COUNTRY CLUB BUILDING IMPROVEMENT

Justification: Operating Requirement

Perform structural repairs and replace deteriorated roofing on clubhouse building at River Road Country Club.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 5,000 | 245,000 | 0 | 0 | 0 | 0 | 245,000 | 0 | 0 | 250,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 5,000 | 245,000 | 0 | 0 | 0 | 0 | 245,000 | 0 | 0 | 250,000 |

Category: Facilities Org: 224 Facility Management Location: Funding: DEPR

11566 SECURITY ENGINEERING ACCESS UPGRADE

Justification: Security, Operating Requirement, Economic Benefit

Modify current controlled access system from mag strip readers to proximity readers. Update badging station. Install integrated digital CCTV video system that will utilize the controlled access infrastructure. Replace or modify video cameras at key locations.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 271,620 | 0 | 0 | 0 | 0 | 271,620 | 0 | 0 | 271,620 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 271,620 | 0 | 0 | 0 | 0 | 271,620 | 0 | 0 | 271,620 |

Category: Facilities Org: 224 Facility Management Location: CARDINAL HILL Funding: DEPR

11562 CARDINAL HILL RESERVOIR SECURITY FENCE

Justification: Security

Replace or install new approximately 19,800 feet of property boundary fencing and interior segregation fencing at Cardinal Hill Reservoir facility and remove vegetation including trees which have grown on and into existing fence.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 200,000 | 0 | 0 | 0 | 0 | 200,000 | 0 | 0 | 200,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 200,000 | 0 | 0 | 0 | 0 | 200,000 | 0 | 0 | 200,000 |

Category: Facilities Org: 224 Facility Management Location: CHFP Funding: DEPR

11564 CHFP BUILT-UP ROOF REPLACEMENT PROGRAM

Justification: Safety, Operating Requirement

Based on consultant survey, evaluation, and recommendation report, develop multi-year program to replace aging built-up roofing systems on various CHFP structures: Built-up roofs to be replaced on a 20-25 year cycle. Low-priority structures to be determined as deterioration/failures continue. All costs based on 2005 project estimate.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|---------|--------|--------|--------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 100,000 | 75,000 | 75,000 | 75,000 | 0 | 325,000 | 600,000 | 0 | 925,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 100,000 | 75,000 | 75,000 | 75,000 | 0 | 325,000 | 600,000 | 0 | 925,000 |

Category: Facilities Org: 224 Facility Management Location: BEPWTP Funding: DEPR
 11561 **BEPWTP SOUTH PERIMETER FENCING IMPROVEMENT** Justification: Security

Replace approximately 2200 feet of existing chain-link fence at the south perimeter of BEPWTP and remove vegetation including trees that have grown onto and into existing fence.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|--------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 65,000 | 0 | 0 | 0 | 0 | 65,000 | 0 | 0 | 65,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 65,000 | 0 | 0 | 0 | 0 | 65,000 | 0 | 0 | 65,000 |

Category: Facilities Org: 224 Facility Management Location: ALLMOND Funding: DEPR
 11560 **ALLMOND TRUCK WASH IMPROVEMENT** Justification: Safety, Operating Requirement

Remove coating on masonry and steel surfaces. Pressure wash and blast mildew, moss and rust from structure. Seal and recoat. Replace two man doors within wash area. Replace one overhead door. Replace failing steel supports at nozzles and piping. Replace flue vent piping on two existing gas heaters within wash area. Replace piping on acid wash section. Replace damaged grating at trench drains.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|--------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 63,000 | 0 | 0 | 0 | 0 | 63,000 | 0 | 0 | 63,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 63,000 | 0 | 0 | 0 | 0 | 63,000 | 0 | 0 | 63,000 |

Category: Facilities Org: 224 Facility Management Location: THIRD ST Funding: DEPR
 11565 **CORPORATE HQ I.T. OFFICE HVAC IMPROVEMENT** Justification: Operating Requirement

Provide separate HVAC system for small enclosed office (print room) adjacent to I.T. room.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|--------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 50,000 | 0 | 0 | 0 | 0 | 50,000 | 0 | 0 | 50,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 50,000 | 0 | 0 | 0 | 0 | 50,000 | 0 | 0 | 50,000 |

Category: Facilities Org: 224 Facility Management Location: ALLMOND Funding: DEPR

11559 ALLMOND FACILITY LOCKS IMPROVEMENT

Justification: Safety, Security, Operating Requirement

Replace approximately 120 locks at Allmond Distribution Center to streamline company-wide key system and enhance security.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|--------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 40,000 | 0 | 0 | 0 | 0 | 40,000 | 0 | 0 | 40,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 40,000 | 0 | 0 | 0 | 0 | 40,000 | 0 | 0 | 40,000 |

Category: Facilities Org: 224 Facility Management Location: CHFP Funding: DEPR

11563 CHFP BATHROOM RENOVATION

Justification: Regulatory, Operating Requirement, Improved Customer Service

Provide accessible restroom for CHFP. Work includes plumbing, fixtures, grab bars, stall, painting and signage.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|--------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 36,000 | 0 | 0 | 0 | 0 | 36,000 | 0 | 0 | 36,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 36,000 | 0 | 0 | 0 | 0 | 36,000 | 0 | 0 | 36,000 |

Category: Facilities Org: 224 Facility Management Location: CHFP Funding: DEPR

CHFP OFFICE AND CONTROL ROOM HVAC IMPROVEMENT

Justification: Operating Requirement, Improved Customer Service

Replace HVAC systems for south office areas including control room. Replace HVAC system for Library, Break Room, and adjacent offices.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|---------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 400,000 | 0 | 0 | 0 | 400,000 | 0 | 0 | 400,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 400,000 | 0 | 0 | 0 | 400,000 | 0 | 0 | 400,000 |

Category: Facilities Org: 224 Facility Management Location: THIRD ST Funding: DEPR
CORPORATE HQ HEATING SYSTEM IMPROVEMENTS Justification: Safety, Operating Requirement, Economic Benefit

Install second boiler at Corporate Headquarters Building on Third St to share the heating load and to provide backup heating capacity in the event of boiler failure.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|--------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 80,000 | 0 | 0 | 0 | 80,000 | 0 | 0 | 80,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 80,000 | 0 | 0 | 0 | 80,000 | 0 | 0 | 80,000 |

Category: Facilities Org: 224 Facility Management Location: VARIOUS Funding: DEPR
PURCHASE/PREPARE DUMP SITE(S) Justification: Operating Requirement

Per consultant report, existing dump site at Middletown has limited life remaining. Project will purchase up to two 5 to 10 acre dump sites for LWC construction activities, plus perform any sitework necessary for maintenance and management of spoils disposal in compliance with applicable regulation, following economic analysis to determine if owning and operating dump sites versus contract dumping is feasible.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|--------|---------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 50,000 | 150,000 | 0 | 0 | 200,000 | 0 | 0 | 200,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 50,000 | 150,000 | 0 | 0 | 200,000 | 0 | 0 | 200,000 |

Category: Facilities Org: 224 Facility Management Location: THIRD ST Funding: DEPR
CORPORATE HQ HVAC CONTROLS UPGRADE AND ENERGY IMPROVEMENT Justification: Economic Benefit

Provide controls to allow remote access to Corporate HQ HVAC systems. Provide updated controls to allow addition of control strategies to and control sequences to reduce energy usage.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|--------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 35,000 | 0 | 0 | 0 | 35,000 | 0 | 0 | 35,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 35,000 | 0 | 0 | 0 | 35,000 | 0 | 0 | 35,000 |

Category: Facilities Org: 224 Facility Management Location: ALLMOND Funding: DEPR
ALLMOND DISTRIBUTION CENTER SITE IMPROVEMENTS Justification: Operating Requirement

Project will replace pavement, implement storage building improvements, and install barricade/lighted flagpoles at street curb.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|--------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 80,000 | 0 | 0 | 80,000 | 0 | 0 | 80,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 80,000 | 0 | 0 | 80,000 | 0 | 0 | 80,000 |

Category: Facilities Org: 224 Facility Management Location: CHGM Funding: DEPR
MODIFY LOCKER ROOM AT GROUNDS MAINTENANCE BUILDING Justification: Quality of Work Life

Modify existing locker room to provide separate men's and women's locker room and restroom facilities.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|--------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 45,000 | 0 | 0 | 45,000 | 0 | 0 | 45,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 45,000 | 0 | 0 | 45,000 | 0 | 0 | 45,000 |

Category: Facilities Org: 224 Facility Management Location: CHFP Funding: DEPR
CHFP EAST/NEW EAST FILTER BUILDING MASONRY IMPROVEMENT Justification: Safety, Operating Requirement

Rehabilitate the exterior masonry on the CHFP East-West Filter Plant building.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|---------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 450,000 | 0 | 450,000 | 0 | 0 | 450,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 450,000 | 0 | 450,000 | 0 | 0 | 450,000 |

Category: Org: Location: Funding:

CHFP RESERVOIR SURGE TANKS MASONRY IMPROVEMENT

Justification:

Rehabilitate the brick, concrete, and stone exteriors of the two CHWTP Reservoir surge tanks.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|--------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 50,000 | 0 | 50,000 | 0 | 0 | 50,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 50,000 | 0 | 50,000 | 0 | 0 | 50,000 |

Category: Org: Location: Funding:

UPGRADE CHFP LAB, CONFERENCE ROOM AND OFFICE AREAS

Justification:

Facilities Plan recommends LWC install laboratory, conference room and office over the shop area in the chemical building to allow centralization of Operations/Administration/Laboratory staff.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|---------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 600,000 | 600,000 | 0 | 0 | 600,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 600,000 | 600,000 | 0 | 0 | 600,000 |

Category: Org: Location: Funding:

CHFP RESERVOIR GATEHOUSE FACILITY IMPROVEMENT

Justification:

Rehabilitate the exterior masonry of the CHWTP Reservoir gatehouse.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|---------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 123,000 | 123,000 | 0 | 0 | 123,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 123,000 | 123,000 | 0 | 0 | 123,000 |

Category: Facilities Org: 224 Facility Management Location: CHPS Funding: DEPR
CHPS OFFICE SPACE EXTENSION Justification: Quality of Work Life

Expand CHPS office area to accommodate need for office space in the production area.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|---------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 100,000 | 100,000 | 0 | 0 | 100,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 100,000 | 100,000 | 0 | 0 | 100,000 |

Category: Facilities Org: 224 Facility Management Location: ZPS Funding: DEPR
ZPS BALUSTRADE REHABILITATION Justification: Safety, Operating Requirement

Replace damaged balusters, clean top rail, balusters, panels, and sidewalks. Replace damaged sidewalk panel. Rehabilitate damaged segments of top and bottom rail.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|---------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 100,000 | 100,000 | 0 | 0 | 100,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 100,000 | 100,000 | 0 | 0 | 100,000 |

Category: Facilities Org: 224 Facility Management Location: BC Funding: DEPR
BULLITT COUNTY DISTRIBUTION OPERATIONS BUILDING Justification: Operating Requirement, Improved Customer Service

The Facilities Plan recommends expansion of existing or construction of a new distribution center in Bullitt County to improve operations and maintenance efficiencies.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,000,000 | 0 | 2,000,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,000,000 | 0 | 2,000,000 |

Category: Facilities Org: 224 Facility Management Location: MTOWN Funding: DEPR
MIDDLETOWN DISTRIBUTION OPERATIONS BUILDING Justification: Operating Requirement, Improved Customer Service

The Facilities Plan recommends expansion of existing or construction of a new distribution center in the Middletown area to improve operations and maintenance efficiencies.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,500,000 | 0 | 1,500,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,500,000 | 0 | 1,500,000 |

Category: Facilities Org: 224 Facility Management Location: CARDINAL HILL Funding: DEPR
CARDINAL HILL RESERVOIR GATEHOUSE BALUSTRADE REHABILITATION Justification: Safety

Replace and/or rehabilitate existing balustrades at the Cardinal Hill Reservoir Gatehouse.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 340,000 | 340,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 340,000 | 340,000 |

Category: Water Quality/Laboratory Org: 261 Managing Water Quality and Productio Location: BEP,CHFP Funding: DEPR
11384 INSTALLATION OF ON-LINE WQ AND CHEMICAL FEED MONITORING AT BEP AND CHFP Justification: Regulatory, Safety, Operating Requirement

Phase IV Partnership for Safe Water Program requires turbidity monitoring at individual Coag Basins. To comply with the requirements, we need to install additional turbidimeters at BEP and CHFP. To ensure process safety at BEP plant, we need to install level transmitters for the new chemical feed facility (ferric and fluoride). Need 13 new turbidimeters and 4 level transmitters.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|-------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 74,000 | 4,500 | 0 | 0 | 0 | 0 | 4,500 | 0 | 0 | 78,500 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 74,000 | 4,500 | 0 | 0 | 0 | 0 | 4,500 | 0 | 0 | 78,500 |

| | | | | | | | | | | | | |
|---------|-------|---------|--------|------|------|------|-----------|-----------|----------------|---|---|---------|
| Net | 3,000 | 125,030 | 69,010 | 0 | 0 | 0 | 0 | 0 | 194,040 | 0 | 0 | 197,040 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gross | 3,000 | 125,030 | 69,010 | 0 | 0 | 0 | 0 | 0 | 194,040 | 0 | 0 | 197,040 |
| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2012-2016 | 2017-2026 | Total Estimate | | | |

Install and/or upgrade telemetry for master meters, tanks, and remote booster station sites. Several sites have basic telemetry, but not full operational data and/or intrusion alerts. Integrate all signals into existing SCADA system.

10548 DISTRIBUTION SYSTEM TELEMETRY INSTALLATION/UPGRADE
 Category: Water Quality/Laboratory Org: 264 Managing Water Treatment and Pumpi
 Location: DISTR SYSTEM Funding: DEPR
 Justification: Security, Operating Requirement, Improved Customer Service

| | | | | | | | | | | | | |
|---------|--------|--------|--------|------|------|------|-----------|-----------|----------------|---|---|--------|
| Net | 30,000 | 36,085 | 30,000 | 0 | 0 | 0 | 0 | 0 | 66,085 | 0 | 0 | 96,085 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gross | 30,000 | 36,085 | 30,000 | 0 | 0 | 0 | 0 | 0 | 66,085 | 0 | 0 | 96,085 |
| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2012-2016 | 2017-2026 | Total Estimate | | | |

Replacement of individual filter on-line turbidimeters at CHF and BEP plant per regulatory requirements.

11482 CHF TURBIDIMETER REPLACEMENT
 Category: Water Quality/Laboratory Org: 264 Managing Water Treatment and Pumpi
 Location: CHF,BEP Funding: DEPR
 Justification: Regulatory, Operating Requirement

| | | | | | | | | | | | | |
|---------|-------|--------|------|------|------|------|-----------|-----------|----------------|---|---|--------|
| Net | 0 | 38,800 | 0 | 0 | 0 | 0 | 0 | 0 | 38,800 | 0 | 0 | 38,800 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gross | 0 | 38,800 | 0 | 0 | 0 | 0 | 0 | 0 | 38,800 | 0 | 0 | 38,800 |
| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2012-2016 | 2017-2026 | Total Estimate | | | |

Install automated flushing equipment that will improve water quality and provide an increase in employee productivity through reduction in the need to mobilize personnel to flush hydrants and boundary valves on a schedule.

11567 WATER QUALITY AUTOFLUSHING UPGRADE
 Category: Water Quality/Laboratory Org: 261 Managing Water Quality and Productio
 Location: DISTR SYSTEM Funding: DEPR
 Justification: Regulatory, Operating Requirement

Category: **Distribution Point Capital** Org: **281 Managing Distribution Operations** Location: **ALLMOND** Funding: **DEPR**

11570-11577 MANAGING DISTRIBUTION OPERATIONS (ALLMOND) POINT CAPITAL PROGRAM Justification: **Regulatory, Safety, Operating Requirement, Improved Customer Service, Growth Related**

Managing Distribution Operations (Allmond) Point Capital Program projects for 2007:

| | | |
|---|------------------|---|
| 11570 - Lead Service Renewals | \$825,000 | Estimate based on 415 units at \$1,988 |
| 11571 - Fire Hydrant Replacement | \$825,000 | Estimate based on 390 units at \$2,115 |
| 11572 - Detector Check Valves Installs | \$175,000 | Estimate based on 50 units at \$3,500 |
| 11573 - Distribution System Improv | \$325,000 | Estimate based on 110 units at \$2,995 |
| 11574 - Blowoffs Installed on Deadends | \$75,000 | Estimate based on 50 units at \$1,500 |
| 11575 - Transmission System Improv | \$120,000 | Estimate based on 12 units at \$10,000 |
| 11576 - Service Modification | \$425,000 | Estimate based on 300 units at \$1,417 |
| 11577 - Large Meter Renov/Installs | \$525,000 | Estimate based on 60 units at \$8,750 |

| | | TOTAL PROGRAM | | | | | | | | |
|----------------|--------------|----------------------|-------------|-------------|-------------|-------------|------------------|------------------|------------------|-----------------------|
| | | \$3,295,000 | | | | | | | | |
| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
| Gross | 2,808,750 | 3,295,000 | 3,295,000 | 3,295,000 | 3,295,000 | 3,295,000 | 16,475,000 | 16,475,000 | 24,700,000 | 60,458,750 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 2,808,750 | 3,295,000 | 3,295,000 | 3,295,000 | 3,295,000 | 3,295,000 | 16,475,000 | 16,475,000 | 24,700,000 | 60,458,750 |

Category: Vehicles/Fleet Org: 282 Fleet Services Location: TRANSP Funding: DEPR
 11580 **FLEET PROGRAM** Justification: Operating Requirement

Fleet program for 2007:

| | | |
|---------------------------------|-----------|--|
| Task 01 - Air Compressors | \$12,000 | Replace 1 unit at \$12,000 each |
| Task 02 - Backhoe | \$114,000 | Replace 2 - 2wd at \$57,000 each |
| Task 03 - Trailers | \$85,000 | Replace 5 units at \$17,000 each |
| Task 04 - Valve Operators | \$38,000 | Replace 2 units at \$19,000 each |
| Task 09 - Loader | \$126,000 | Replace 1 unit at \$126,000 each |
| Task 11 - Dump Trucks | \$237,819 | Repl 2 axles (\$76,522), 1 Tandem (\$84,775) |
| Task 12 - 1 Ton Turner Trucks | \$74,000 | Repl 1 -2wd (36,000), 1-4wd (\$38,000) |
| Task 13 - 1.5 Ton Flatbed | \$38,000 | Replace 1-2wd at \$38,000 each |
| Task 14 - 1/2 Ton Pickup Trucks | \$276,000 | Repl 6 reg (\$20,000), 6 ext cabs (\$26,000) |
| Task 15 - Automobiles | \$80,000 | Replace 4 units at \$20,000 each |
| Task 16 - Crew Trucks | \$88,500 | Replace 1 unit at \$88,500 each |
| Task 17 - Jeeps | \$149,400 | Replace 6 units at \$24,900 each |
| Task 18 - Generators | \$6,000 | Replace 1 unit at \$6,000 each |
| Task 20 - Vans | \$26,000 | Replace 1 unit at \$26,000 each |
| Task 21 - Forklift | \$26,000 | Replace 1 unit at \$26,000 each |
| Task 22 - Truck Compartment | \$7,000 | Replace 1 unit at \$7,000 each |

2007 PROGRAM \$ 1,383,719
 2006 CARRYOVER \$ 293,932
TOTAL 2007 PROGRAM \$ 1,677,651

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-----------|-----------|-----------|-----------|-----------|---------|-----------|-----------|------------|----------------|
| Gross | 1,579,179 | 1,677,651 | 1,255,100 | 1,312,644 | 1,575,372 | 879,572 | 6,700,339 | 6,404,000 | 12,654,000 | 27,337,518 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 1,579,179 | 1,677,651 | 1,255,100 | 1,312,644 | 1,575,372 | 879,572 | 6,700,339 | 6,404,000 | 12,654,000 | 27,337,518 |

Category: Vehicles/Fleet Org: 282 Fleet Services Location: TRANSP Funding: DEPR
 11579 **SAFETY EQUIPMENT FOR VEHICLES** Justification: Safety

Install equipment and make modifications to LWC vehicles to address safety concerns such as improved lighting, mounts, brackets, bars, etc.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|--------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 15,000 | 0 | 0 | 0 | 0 | 15,000 | 0 | 0 | 15,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 15,000 | 0 | 0 | 0 | 0 | 15,000 | 0 | 0 | 15,000 |

Category: Equipment and Tools Org: 282 Fleet Services Location: TRANSP Funding: DEPR

3999 ACCT **TOOLS FOR GARAGE MECHANICS** Justification: Operating Requirement

Purchase tools for repair operations and maintenance of fleet vehicles and equipment. Typical tools include stationary generators, drills, bits, impact wrenches, tool boxes, etc each over \$2,500 per item.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|--------|--------|--------|--------|--------|-----------|-----------|-----------|----------------|
| Gross | 0 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 50,000 | 50,000 | 100,000 | 200,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 50,000 | 50,000 | 100,000 | 200,000 |

Category: Equipment and Tools Org: 348 Capital Pipeline Construction Location: ALLMOND Funding: DEPR

3999 ACCT **CONSTRUCTION TOOLS FOR MDO CAPITAL CREWS - ALLMOND - ANNUAL ALLOWANCE** Justification: Operating Requirement, Economic Benefit, Improved Customer Service

Annual allowance for miscellaneous tools and equipment over \$2,500 per item. Estimate for Pneumatic Hole Punch for \$7,800; Pipe cutting saws for \$5,000; Equipment trailer for \$9,500; and general equipment.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|--------|--------|--------|--------|--------|-----------|-----------|-----------|----------------|
| Gross | 20,000 | 41,800 | 20,000 | 20,000 | 20,000 | 20,000 | 121,800 | 100,000 | 200,000 | 441,800 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 20,000 | 41,800 | 20,000 | 20,000 | 20,000 | 20,000 | 121,800 | 100,000 | 200,000 | 441,800 |

Category: Planning/Hydraulics/GIS Org: 326 GIS, Infrastructure Records and Survey Location: Funding: DEPR

11331 **MOBILE DATA FACILITY ACCESS** Justification: Improved Customer Service

Provide the hardware, software and applications necessary to provide field access to facility GIS (AM/FM) data. Approximately 50 LWC field and support personnel will have access to all facility data and information via portable computers. Frequency of updates to portable units to be determined.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|---------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 264,500 | 127,500 | 0 | 0 | 0 | 0 | 127,500 | 0 | 0 | 392,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 264,500 | 127,500 | 0 | 0 | 0 | 0 | 127,500 | 0 | 0 | 392,000 |

Category: Org: Location: Funding:

10640 **SYSTEM-WIDE HYDRAULIC MODEL** Justification:

Purchase and install software and hardware for computer-based hydraulic model of LWC delivery system. Includes calibration of model and development of distribution water quality model.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|--------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 58,517 | 56,983 | 0 | 0 | 0 | 0 | 56,983 | 0 | 0 | 115,500 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 58,517 | 56,983 | 0 | 0 | 0 | 0 | 56,983 | 0 | 0 | 115,500 |

Category: Org: Location: Funding:

11581 **PROJECT TRACKING DATABASE** Justification:

Purchase of hardware, software and other components necessary to implement a centralized Project Tracking database. The database will provide users the ability to view, update and create reports for any project related information.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 271,900 | 0 | 0 | 0 | 0 | 271,900 | 0 | 0 | 271,900 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 271,900 | 0 | 0 | 0 | 0 | 271,900 | 0 | 0 | 271,900 |

Category: Org: Location: Funding:

11330 **ARCGIS SERVER PLATFORM DEVELOPMENT** Justification:

Purchase of hardware and software components necessary to advance the distribution of GIS applications and tools to users at LWC.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|--------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 81,000 | 0 | 0 | 0 | 0 | 81,000 | 0 | 0 | 81,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 81,000 | 0 | 0 | 0 | 0 | 81,000 | 0 | 0 | 81,000 |

Category: Planning/Hydraulics/GIS - Org: 326 GIS, Infrastructure Records and Survey Location: Funding: DEPR
3999 ACCT LOJIC CAPITAL PROGRAM Justification: Operating Requirement, Contract Commitment

Program for payment of LWC share of LOJIC (Louisville and Jefferson County Information Consortium) capital project costs.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|--------|--------|---------|---------|---------|-----------|-----------|-----------|----------------|
| Gross | 0 | 56,983 | 80,957 | 106,107 | 122,738 | 131,515 | 498,300 | 500,000 | 1,000,000 | 1,998,300 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 56,983 | 80,957 | 106,107 | 122,738 | 131,515 | 498,300 | 500,000 | 1,000,000 | 1,998,300 |

Category: Planning/Hydraulics/GIS Org: 326 GIS, Infrastructure Records and Survey Location: Funding: DEPR
PLANT RECORD DRAWING SYSTEM Justification: Regulatory, Security, Operating Requirement

Create complete, up to date plant facility drawing system that includes structural, piping, electrical, HVAC, chemical, drains, flow schematics, operating manuals, etc. All physical plants such as treatment plants, pumping stations, remote stations, tanks, offices, distribution centers, etc. will be included.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|---------|--------|--------|--------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 120,000 | 45,000 | 45,000 | 35,000 | 245,000 | 0 | 0 | 245,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 120,000 | 45,000 | 45,000 | 35,000 | 245,000 | 0 | 0 | 245,000 |

Category: Planning/Hydraulics/GIS Org: 326 GIS, Infrastructure Records and Survey Location: Funding: DEPR
11329 AERIAL PHOTOGRAPHY AND DIGITAL BASE MAPPING Justification: Operating Requirement

Joint Initiative with LOJIC for acquisition of new aerial photography and update of digital base mapping for Jefferson, Oldham and Bullitt counties.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|---------|------|------|------|------|---------|-----------|-----------|-----------|----------------|
| Gross | 496,100 | 0 | 0 | 0 | 0 | 500,000 | 500,000 | 500,000 | 500,000 | 1,996,100 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 496,100 | 0 | 0 | 0 | 0 | 500,000 | 500,000 | 500,000 | 500,000 | 1,996,100 |

Category: MRRP Org: 342 MRRP, Transmission and Relocations Location: MRRP Funding: INFR
 VARIOUS MRRP - MAIN REPLACEMENT AND REHABILITATION PROGRAM (EXISTING PROJECTS) Justification: Operating Requirement, Improved Customer Service, Other

LWC annual MRRP program to replace or rehabilitate water mains installed prior to 1937 or mains with high break rates or miscellaneous improvements, grid-ties, etc.

Existing projects with 2007 cash flow:

| | | |
|--------------------------|---------------------|--------------------|
| 03523 - Crittenden Dr II | Prior - \$190,512 | 2007 - \$1,362,874 |
| 10382 - Kentucky St area | Prior - \$2,141,078 | 2007 - \$14,922 |
| 10516 - Manslick Rd | Prior - \$252,210 | 2007 - \$231,520 |
| 10585 - Pitts Point | Prior - \$0 | 2007 - \$923,623 |
| 11187 - South Dixie | Prior - \$415,677 | 2007 - \$640,748 |
| 11188 - Lagrange Rd | Prior - \$85,000 | 2007 - \$425,000 |
| 11192 - Nitta Yuma | Prior - \$100,000 | 2007 - \$350,000 |
| 11199 - Constitution Dr | Prior - \$0 | 2007 - \$134,000 |
| 11385 - Baxter Ave | Prior - \$300,879 | 2007 - \$186,000 |

PRIOR TOTAL \$3,485,356 2007 TOTAL \$4,268,687

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-----------|-----------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 3,485,356 | 4,268,687 | 0 | 0 | 0 | 0 | 4,268,687 | 0 | 0 | 7,754,043 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 3,485,356 | 4,268,687 | 0 | 0 | 0 | 0 | 4,268,687 | 0 | 0 | 7,754,043 |

36" main from Urton/I-265 crossing to Taylorville Rd.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2012-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|---------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 258,172 | 0 | 0 | 0 | 0 | 0 | 0 | 8,874,828 | 0 | 9,133,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 258,172 | 0 | 0 | 0 | 0 | 0 | 0 | 8,874,828 | 0 | 9,133,000 |

SNYDER FREEWAY TRANSMISSION MAIN - PHASE 1B

Category: Transmission Org: 342 MRRP, Transmission and Relocations Location: TRANSM Funding: SDCVDEPR

Facilities Plan recommends the construction of a transmission main following the Gene Snyder Frwy from English Station Standpipe to Billtown Rd. The need for and Bullitt counties. Install 60" main from English Station Standpipe to Urton Ln/I-265 crossing.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2012-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|---------|-----------|-----------|-----------|------|------|------------|-----------|-----------|----------------|
| Gross | 665,119 | 2,000,000 | 6,000,000 | 2,540,381 | 0 | 0 | 10,540,381 | 0 | 0 | 11,205,500 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 665,119 | 2,000,000 | 6,000,000 | 2,540,381 | 0 | 0 | 10,540,381 | 0 | 0 | 11,205,500 |

SNYDER FREEWAY TRANSMISSION MAIN PHASE 1A

Category: Transmission Org: 342 MRRP, Transmission and Relocations Location: TRANSM Funding: SDCVDEPR

Facilities Plan recommends LWC replace 21,400 LF +/- 48" water main with 60" main at \$800/LF to improve reliability of transmission system.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2012-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|------------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16,200,000 | 0 | 16,200,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16,200,000 | 0 | 16,200,000 |

REPLACE/REHABILITATE KENTUCKY/OKA/GLENMARRY 48"

Category: MRRP Org: 342 MRRP, Transmission and Relocations Location: TRANSM Funding: INFR

Category: Transmission Org: 342 MRRP, Transmission and Relocations Location: TRANSM Funding: SDCDEPR

SNYDER FREEWAY TRANSMISSION MAIN - PHASE 2A

Justification:

30" main from Taylorsville Rd to JCPS property.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 61,660 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,579,840 | 6,641,500 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 61,660 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,579,840 | 6,641,500 |

Category: Transmission Org: 342 MRRP, Transmission and Relocations Location: TRANSM Funding: SDCDEPR

11613 **SNYDER FREEWAY TRANSMISSION MAIN - PHASE 2B**

Justification:

30" main from JCPS property to Billtown Rd.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 80,628 | 734,772 | 0 | 0 | 0 | 0 | 734,772 | 0 | 0 | 815,400 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 80,628 | 734,772 | 0 | 0 | 0 | 0 | 734,772 | 0 | 0 | 815,400 |

Category: Transmission Org: 342 MRRP, Transmission and Relocations Location: TRANSM Funding: SDCDEPR

01557 **CARDINAL HILL SECONDARY SUPPLY**

Justification: Operating Requirement

Facilities Plan recommends LWC install Phase I approximately 6,500 LF of 24-inch water main in New Cut Rd. and Phase II 15,800 LF +/- of 30" in Outer Loop and St. Anthony Church Rd. to Cardinal Hill. (Coordinate w/KDOT project for New Cut Rd). Phase I project funded under relocation projects.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-----------|--------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 3,020,745 | 85,000 | 0 | 0 | 0 | 0 | 85,000 | 0 | 0 | 3,105,745 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 3,020,745 | 85,000 | 0 | 0 | 0 | 0 | 85,000 | 0 | 0 | 3,105,745 |

| | | | | | | | | | | | | |
|---------|---------|---------|------|------|------|------|-----------|-----------|-----------|----------------|---------|---------|
| Net | 150,000 | 350,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 350,000 | 150,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gross | 150,000 | 350,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 350,000 | 150,000 |
| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate | | |

Phase 2B calls for 11,200 ft of 30" main from the entrance at The Estates of St. Anthony to New Cut Road to provide a secondary transmission pathway from Cardinal Hill Reservoir for improved system reliability. Complete design in 2007 and initiate construction in 2012-2016.

11264 **CARDINAL HILL SECONDARY SUPPLY PHASE 2B** Justification: Service

Category: Transmission Org: 342 MRRP, Transmission and Relocations Location: TRANSM Funding: SDCVDEPR

| | | | | | | | | | | |
|---------|---------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Net | 300,000 | 500,000 | 0 | 0 | 0 | 0 | 0 | 500,000 | 2,588,900 | 3,388,900 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gross | 300,000 | 500,000 | 0 | 0 | 0 | 0 | 0 | 500,000 | 2,588,900 | 3,388,900 |
| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |

Project will extend the 36" transmission line from BEWTP to the Westport Rd 48 " transmission line to provide additional redundancy and capacity to the ESA. Phase II will extend the 36" line to Westport Rd. Route analysis and design will be completed in 2007 and constructed is scheduled for 2012-2018.

10459 **WOLF PEN BRANCH 36" MAIN PHASE II** Justification: Operating Requirement, Growth

Category: Transmission Org: 342 MRRP, Transmission and Relocations Location: TRANSM Funding: SDCVDEPR

| | | | | | | | | | | |
|---------|---------|-----------|------------|------|------|------|------------|-----------|-----------|----------------|
| Net | 200,000 | 2,000,000 | 1,411,000 | 0 | 0 | 0 | 3,411,000 | 0 | 0 | 3,611,000 |
| Contrib | 0 | 0 | -1,141,000 | 0 | 0 | 0 | -1,141,000 | 0 | 0 | -1,141,000 |
| Gross | 200,000 | 2,000,000 | 2,552,000 | 0 | 0 | 0 | 4,552,000 | 0 | 0 | 4,752,000 |
| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |

Relocate 500 ft. of 48" main located outside of easement in Ashbrook Subdivision. Replace 6" main from Primrose Dr to Hubbards Ln with a 12" main from Primrose Dr to Beechwood Rd. Replace existing 24" main in Westport Rd from Primrose Dr to Ambridge Circle with a 30" main. Project to be coordinated with KTC project to widen Westport Road from Primrose Drive to Ambridge Drive. KTC reimbursement expected.

10415 **WESTPORT RD 660 PZ RELOCATION - 30" TRANSMISSION** Justification: Operating Requirement

Category: Transmission Org: 342 MRRP, Transmission and Relocations Location: TRANSM Funding: DEPRREIMBISDC

Category: Transmission Org: 342 MRRP, Transmission and Relocations Location: Funding: INFRSDC
 11172 OLD FORD RD TRANSMISSION Justification: Operating Requirement, Improved Customer Service, Growth Related

Construct a 16 inch main through Shepherdsville connecting to an existing 16 inch Salt River crossing. Install a 12 inch line from the crossing along Old Ford Rd to the Shepherdsville water Treatment plant

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|---------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 145,273 | 165,000 | 0 | 0 | 0 | 0 | 165,000 | 0 | 0 | 310,273 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 145,273 | 165,000 | 0 | 0 | 0 | 0 | 165,000 | 0 | 0 | 310,273 |

Category: Transmission Org: 342 MRRP, Transmission and Relocations Location: Funding: SDCIDEPR
 10644 I-64 TRANSMISSION MAIN - JEFFERSON COUNTY Justification: Operating Requirement, Growth

Construct 30" transmission main from the Gene Snyder Expressway (I-265) to Jefferson County line. Estimate based on 26,800 ft at \$185 per ft to supply growth demands in the eastern portion of Jefferson Co and Shelby Co wholesale customers. Preliminary Design and easement acquisition in 2007. Design and construction in 2008-2009.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|---------|-----------|-----------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 150,000 | 2,500,000 | 2,350,000 | 0 | 0 | 5,000,000 | 0 | 0 | 5,000,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 150,000 | 2,500,000 | 2,350,000 | 0 | 0 | 5,000,000 | 0 | 0 | 5,000,000 |

Category: Transmission Org: 342 MRRP, Transmission and Relocations Location: Funding: SDCIDEPR
 11593 COOPER CHAPEL 16" TRANSMISSION MAIN Justification: Operating Requirement, Improved Customer Service

Install 3,600 ft of 16" main in Cooper Chapel Rd to Mt. Washington Rd to expand southern end of 770 PP.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|--------|---------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 75,000 | 301,000 | 0 | 0 | 0 | 376,000 | 0 | 0 | 376,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 75,000 | 301,000 | 0 | 0 | 0 | 376,000 | 0 | 0 | 376,000 |

Category: Transmission Org: 342 MRRP, Transmission and Relocations Location: TRANSM Funding: SDC\DEPR

11594 SALT RIVER TRANSMISSION IMPROVEMENTS

Justification: Operating Requirement, Economic Benefit, Improved Customer Service, Growth Related

On the north side of Salt River, construct a 16" water main to connect the existing Carpenter St 16" to the existing 24" Salt River Crossing. On the south side of Salt River, construct a 24"/20"/16" water main to connect to the existing 16" in Hwy 61 and provide for a future transmission network. Project will provide additional water supply south of the Salt River to meet area demands.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|--------|---------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 60,000 | 530,150 | 0 | 0 | 0 | 590,150 | 0 | 0 | 590,150 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 60,000 | 530,150 | 0 | 0 | 0 | 590,150 | 0 | 0 | 590,150 |

Category: Transmission Org: 342 MRRP, Transmission and Relocations Location: TRANSM Funding: SDC\DEPR

10254 SOUTHERN 770 PZ TRANSMISSION MAIN

Justification: Operating Requirement, Growth, Improved Customer Service

Install 11,300 ft of 20" main in Manslick Rd to proposed Southern 770 PZ storage tank. Main will provide water to the expanded 770 PZ from Smyrna BPS.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|---------|-----------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 150,000 | 1,080,000 | 0 | 0 | 1,230,000 | 0 | 0 | 1,230,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 150,000 | 1,080,000 | 0 | 0 | 1,230,000 | 0 | 0 | 1,230,000 |

Category: Transmission Org: 342 MRRP, Transmission and Relocations Location: TRANSM Funding: SDC\DEPR

RIVER ROAD 16" TRANSMISSION MAIN

Justification: Operating Requirement, Improved Customer Service

770 PRESSURE PLANE IMPROVEMENTS PHASE I
 12" or 16" Main in River Road between B.E. Payne and Wolf Pen Branch Road (6,000 lf.). Coordinate with River Road/Harrods Creek Bridge Replacement and I-265 Ohio River Bridge construction. Noted in Facility Plan as T1A.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|--------|---------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 50,000 | 410,000 | 0 | 0 | 460,000 | 0 | 0 | 460,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 50,000 | 410,000 | 0 | 0 | 460,000 | 0 | 0 | 460,000 |

| | | | | | | | | | |
|---|-----------------------------------|------|--|----------------|-------------------------------|----------|-----------|-----------|----------------|
| Category: | Transmission | Org: | 342 MRRP, Transmission and Relocations | Location: | TRANSM | Funding: | SDC/DEPR | | |
| 11258 | PRESTON HWY 24" TRANSMISSION LINE | | | Justification: | Operating Requirement, Growth | | | | |
| Project will extend the 24 inch transmission main in Preston Highway from Mud Lane to Shepherdsville to provide needed hydraulic capacity along the I 65 corridor. Estimate based on 18,000 ft at \$215 per ft. Portions of the Project will be coordinated with KDOT plans to widen Preston Highway to Shepherdsville. | | | | | | | | | |
| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2012-2016 | 2017-2026 | Total Estimate |
| Gross | 0 | 0 | 0 | 200,000 | 1,000,000 | 740,000 | 7,060,000 | 0 | 9,000,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 200,000 | 1,000,000 | 740,000 | 7,060,000 | 0 | 9,000,000 |

| | | | | | | | | | |
|--|---------------------------------|------|--|----------------|--|----------|-----------|-----------|----------------|
| Category: | Transmission | Org: | 342 MRRP, Transmission and Relocations | Location: | TRANSM | Funding: | SDC/DEPR | | |
| | US 42 TRANSMISSION IMPROVEMENTS | | | Justification: | Operating Requirement, Growth, Improved Customer Service | | | | |
| Install 16" transmission main along US 42 from Prospect Tank to Hillcrest to improve supply capabilities to the Goshen area. | | | | | | | | | |
| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2012-2016 | 2017-2026 | Total Estimate |
| Gross | 0 | 0 | 0 | 200,000 | 500,000 | 0 | 1,527,000 | 0 | 2,227,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 200,000 | 500,000 | 0 | 1,527,000 | 0 | 2,227,000 |

| | | | | | | | | | |
|---|--|------|--|----------------|-------------------------------|----------|-----------|-----------|----------------|
| Category: | Transmission | Org: | 342 MRRP, Transmission and Relocations | Location: | TRANSM | Funding: | SDC/DEPR | | |
| | BEPWTP 36" TRANSMISSION MAIN - WESTPORT TO ENGLISH STATION | | | Justification: | Operating Requirement, Growth | | | | |
| Construct a 36 inch transmission line from Westport Rd to English Station Standpipe. Transmission Line will provide complete redundancy from BEPWTP to English Station and additional capacity to the I-64 corridor to serve future growth. | | | | | | | | | |
| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2012-2016 | 2017-2026 | Total Estimate |
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 7,680,000 | 0 | 7,680,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 7,680,000 | 0 | 7,680,000 |

Category: Transmission Org: 342 MRRP, Transmission and Relocations Location: TRANSM Funding: SDCDEPR

WRTS SECONDARY TRANSMISSION LINE

Justification: Operating Requirement, Growth

Construct a 36 inch Transmission line from the Marquette BPS along I-64 to the Gene Snyder X-way to provide a secondary transmission pathway from WRTS and additional capacity to the ESA.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8,400,000 | 0 | 8,400,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8,400,000 | 0 | 8,400,000 |

Category: Transmission Org: 342 MRRP, Transmission and Relocations Location: TRANSM Funding: SDCDEPR

HWY 31W TRANSMISSION IMPROVEMENTS

Justification: Operating Requirement, Growth

Install transmission line in Hwy 31W. Phase I, from St Andrews Church Rd to Bethany Lane, and Phase II, Gagel to St Andrews Church Rd. Noted in Facility Plan as mains T-39 and T-40.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,000,000 | 3,400,000 | 6,400,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,000,000 | 3,400,000 | 6,400,000 |

Category: Transmission Org: 342 MRRP, Transmission and Relocations Location: TRANSM Funding: SDCDEPR

I-64 20" TRANSMISSION MAIN - SHELBY COUNTY

Justification: Growth, Operating Requirement

Construct 20" transmission main from Jefferson County line to KY 53. Estimate based on 59,200 ft at \$110 per foot. Transmission line to supply growth demands in Shelby Co and Central Kentucky.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,512,000 | 0 | 6,512,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,512,000 | 0 | 6,512,000 |

Category: Transmission Org: 342 MRRP, Transmission and Relocations Location: CHPS Funding: DEPR
YARD PIPING IMPROVEMENTS AT CHPS Justification: Operating Requirement

Replace leak prone yard piping near Frankfort Ave/Stiltz Ave with 60" PCCP in the vicinity of Crescent Hill Pump Station as recommended in the Facilities Plan.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,275,000 | 0 | 1,275,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,275,000 | 0 | 1,275,000 |

Category: Transmission Org: 342 MRRP, Transmission and Relocations Location: TRANSM Funding: SDC\DEPR
GREENBELT HWY TRANSMISSION IMPROVEMENTS Justification: Operating Requirement, Growth

Install a 16" transmission line in Greenbelt Hwy from Tradeport to Bethany Lane, 7500 ft at \$85 per ft.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 650,000 | 0 | 650,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 650,000 | 0 | 650,000 |

Category: Transmission Org: 342 MRRP, Transmission and Relocations Location: TRANSM Funding: SDC\DEPR
I-65 24"/30" TRANSMISSION LINE Justification: Operating Requirement, Growth

Construct transmission facilities to increase delivery capabilities south toward Bullitt Co and Hardin Co.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,000,000 | 8,000,000 | 12,000,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,000,000 | 8,000,000 | 12,000,000 |

Category: Transmission Org: 342 MRRP, Transmission and Relocations Location: TRANSM Funding: SDC\DEPR
CRITTENDEN/WOODLAWN 48" TRANSMISSION MAIN Justification: Operating Requirement

Construct a 48 inch transmission main to provide full 60 inch transmission redundancy around Louisville International Airport to improve system reliability

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,560,000 | 6,560,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,560,000 | 6,560,000 |

Category: Transmission Org: 342 MRRP, Transmission and Relocations Location: TRANSM Funding: SDC\DEPR
BARDSTOWN ROAD 30" TRANSMISSION MAIN Justification: Operating Requirement, Growth

Install 19,000 ft of 30" main in Bardstown Rd. at \$250 per ft from I-265 to Jefferson County line to provide additional capacity to Bullitt Co (Mt Washington), Spencer Co and Nelson Co. Alternate route from Billtown Rd to Bullitt/Spencer Co line will be evaluated.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,750,000 | 4,750,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,750,000 | 4,750,000 |

Category: Transmission Org: 342 MRRP, Transmission and Relocations Location: TRANSM Funding: SDC\DEPR
FERN VALLEY RD TRANSMISSION IMPROVEMENTS Justification: Operating Requirement, Growth

Facilities Plan recommends 12,000 LF of 30" main at \$250 per ft from existing main in Fern Valley Rd. to Smyrna BPS. Route to be determined. Noted in Facility Plan as T14.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,200,000 | 3,200,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,200,000 | 3,200,000 |

Category: Transmission Org: 342 MRRP, Transmission and Relocations Location: TRANSM Funding: SDCDEPR

OLD FLOYDSBURG ROAD 16" MAIN (REAMERS TO ASH)

Justification: Operating Requirement, Growth

Install 2,500 lf. of 16" main in Old Floydburg Road between Reamers Road and Ash Ave. Coordinate project with KTC's Crestwood Bypass.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,625,000 | 1,625,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,625,000 | 1,625,000 |

Category: Transmission Org: 342 MRRP, Transmission and Relocations Location: TRANSM Funding: SDCDEPR

REAMERS ROAD 940 PP SUPPLY IMPROVEMENTS

Justification: Operating Requirement, Growth

Install 11,700 ft of 16" main in Reamer's Rd at Ash Avenue to Hwy 329. Project will be coordinated with construction of the Crestwood Bypass.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,625,000 | 1,625,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,625,000 | 1,625,000 |

Category: Transmission Org: 342 MRRP, Transmission and Relocations Location: TRANSM Funding: SDCDEPR

NEWCUT RD SUPPLY IMPROVEMENTS

Justification: Operating Requirement, Improved Customer Service

Install a 16" transmission line in Newcut Rd/Manslick Rd from I-265 to Fairdale Lane.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 850,000 | 850,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 850,000 | 850,000 |

Category: Transmission Org: 342 MRRP, Transmission and Relocations Location: TRANSM Funding: SDC/DEPR

PENDLETON/PAWLEYS GAP TRANSMISSION LINE

Justification: Operating Requirement, Growth

Install 12" transmission line in Pendleton/Pauley's Gap from Mendoza to Jefferson Co line.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 525,000 | 525,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 525,000 | 525,000 |

Category: Transmission Org: 342 MRRP, Transmission and Relocations Location: TRANSM Funding: SDC/DEPR

HUBBARDS LANE SUPPLY IMPROVEMENTS

Justification: Operating Requirement

Install 16" transmission line in Hubbards Lane from Shelbyville Rd to Browns Lane. Tie in or loop to 30 inch 660 PP line.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 500,000 | 500,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 500,000 | 500,000 |

Category: Relocations Org: 342 MRRP, Transmission and Relocations Location: RELOC Funding: REIMBASDC

11583 RELOCATIONS FOR AGENCY AND DEVELOPER PROJECTS (OTHER THAN MSD OR METRO P)

Justification: Operating Requirement, Contributed Capital

Preliminary and final engineering, inspection, and construction for miscellaneous projects for KTC, Bullitt County, Oldham County, City of St. Matthews and Developers. The net differential is to provide funding for betterment and non-reimbursable projects.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|----------|----------|----------|----------|----------|----------|-----------|-----------|------------|----------------|
| Gross | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 | 1,000,000 | 1,000,000 | 2,000,000 | 4,200,000 |
| Contrib | -150,000 | -150,000 | -150,000 | -150,000 | -150,000 | -150,000 | -750,000 | -750,000 | -1,500,000 | -3,150,000 |
| Net | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 250,000 | 250,000 | 500,000 | 1,050,000 |

Category: Relocations Org: 342 MRRP, Transmission and Relocations Location: RELOC Funding: REIMB\SDC

11584 RELOCATIONS FOR MSD SEWER AND DRAINAGE PROJECTS - PROJECT ALLOWANCE Justification: Operating Requirement, Contributed Capital

Relocations for MSD Sewer and Drainage Improvement Projects (DIP). Reimbursement expected on sanitary interceptor (trunkline) and any drainage-related construction included in overall sewer project. The net differential is to provide funding for betterment and non-reimbursable projects.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|----------|----------|----------|----------|----------|----------|------------|------------|------------|----------------|
| Gross | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 | 1,250,000 | 1,250,000 | 2,500,000 | 5,250,000 |
| Contrib | -210,000 | -200,000 | -200,000 | -200,000 | -200,000 | -200,000 | -1,000,000 | -1,000,000 | -2,000,000 | -4,210,000 |
| Net | 40,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 250,000 | 250,000 | 500,000 | 1,040,000 |

Category: Relocations Org: 342 MRRP, Transmission and Relocations Location: RELOC Funding: SDC

11585 RELOCATIONS FOR METRO GOVERNMENT (PUBLIC WORKS) PROJECTS - PROJECT ALLOW Justification: Operating Requirement, Contributed Capital

Relocations for Metro Government projects primarily initiated by Metro Public Works. This includes the planned public road improvements for traffic and safety under Metro Public Works System Development Charge Zones A through D. Assumes 25% of actual ROW footage to be relocated with some betterment at \$90/foot over three years. No reimbursement is expected on any such projects that have no state or federal funding.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|---------|---------|---------|---------|---------|---------|-----------|-----------|-----------|----------------|
| Gross | 300,000 | 300,000 | 650,000 | 650,000 | 650,000 | 100,000 | 2,350,000 | 0 | 0 | 2,650,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 300,000 | 300,000 | 650,000 | 650,000 | 650,000 | 100,000 | 2,350,000 | 0 | 0 | 2,650,000 |

Category: Relocations Org: 342 MRRP, Transmission and Relocations Location: RELOC Funding: REIMB\SDC

11483 OUTER LOOP, FEGBUSH LN AND BEULAH CHURCH RD INTERSECTION RELOCATION Justification: Safety, Operating Requirement, Contributed Capital, Improved Customer Service, Growth Related

Relocate water mains along Outer Loop, Fegenbush Ln, and Beulah Church Rd as needed in conjunction with the proposed KTC road improvement project. Relocation costs to be reimbursed by KTC. Project will also include upsizing main from 6" to 12" along portions of Beulah Church Rd and Fegenbush Ln to improve hydraulic capacity. Relocation of a portion of the 8" and 24" main in Beulah Church Rd will be required.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|---------|----------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 5,000 | 395,000 | 88,000 | 0 | 0 | 0 | 483,000 | 0 | 0 | 488,000 |
| Contrib | 0 | 0 | -438,000 | 0 | 0 | 0 | -438,000 | 0 | 0 | -438,000 |
| Net | 5,000 | 395,000 | -350,000 | 0 | 0 | 0 | 45,000 | 0 | 0 | 50,000 |

Category: Relocations Org: 342 MRRP, Transmission and Relocations Location: RELOC Funding: REIMB

11016 DOWNTOWN BRIDGE MAIN RELOCATION

Justification: Operating Requirement, Growth Related

Downtown bridge project includes the construction of a new bridge to span the Ohio River and extensive re-working of the existing bridge approach and interstate connection between I-64 and I-71 (spaghetti junction). Relocation of water mains or protection of existing water mains is likely.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|------|---------|---------|------------|------|------------|-----------|-----------|----------------|
| Gross | 10,000 | 0 | 200,000 | 365,000 | 425,000 | 0 | 990,000 | 0 | 0 | 1,000,000 |
| Contrib | 0 | 0 | 0 | 0 | -1,000,000 | 0 | -1,000,000 | 0 | 0 | -1,000,000 |
| Net | 10,000 | 0 | 200,000 | 365,000 | -575,000 | 0 | -10,000 | 0 | 0 | 0 |

Category: Relocations Org: 342 MRRP, Transmission and Relocations Location: TRANSM Funding: REIMB/SDC

RIVER ROAD (BEARGRASS CREEK TO ZORN AVENUE)

Justification: Operating Requirement

KTC project to widen River Road to 4 lanes a distance of 1.5 miles, and raise River Road at Zorn Avenue above the 10-year flood plain. Reimbursement expected from KTC. (KTC road design to avoid conflict of raw water mains in Zorn Avenue.) Betterment to install 12" along entire length of this portion of River Rd. to improve hydraulic capacity.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|--------|----------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 25,000 | 475,000 | 0 | 0 | 500,000 | 0 | 0 | 500,000 |
| Contrib | 0 | 0 | 0 | -356,400 | 0 | 0 | -356,400 | 0 | 0 | -356,400 |
| Net | 0 | 0 | 25,000 | 118,600 | 0 | 0 | 143,600 | 0 | 0 | 143,600 |

Category: Metering and Billing Org: 364 New Service Installations Location: MTOWN Funding: DEPR

3999 ACCT CONSTRUCTION TOOLS AND EQUIPMENT - MIDDLETOWN - ANNUAL ALLOWANCE

Justification: Operating Requirement, Improved Customer Service

Annual allowance for miscellaneous tools and equipment over \$2,500 per item. 2007 purchases include two Grundomat boring machines at \$3,200 each, two SuperFreeze machines at \$2,680 each, and four MetroTech 810DX locators at \$2,750 each.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|--------|--------|--------|--------|--------|-----------|-----------|-----------|----------------|
| Gross | 22,800 | 22,760 | 22,760 | 22,760 | 22,760 | 22,760 | 113,800 | 113,800 | 227,600 | 478,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 22,800 | 22,760 | 22,760 | 22,760 | 22,760 | 22,760 | 113,800 | 113,800 | 227,600 | 478,000 |

Category: **Metering and Billing** Org: **364 New Service Installations** Location: **MTOWN** Funding: **CUSTDEPR**
11600-11607 MIDDLETOWN POINT CAPITAL PROGRAM Justification: **Operating Requirement, Contributed Capital, Economic Benefit, Improved Customer Service, Growth Related**

Middletown Point Capital Program for 2007:

| | |
|--|-------------|
| 11600 - Small Service (3/4" and 1") Installs by LWC | \$1,663,726 |
| 11601 - Small Service (3/4" and 1") Installs by Contractor | \$803,677 |
| 11602 - Large Service (1.5" and 2") Installations | \$338,640 |
| 11603 - Large Service (4" and Larger) Installations | \$169,090 |
| 11604 - Fire Hydrant Installations | \$32,054 |
| 11605 - Fire Service Installations | \$377,256 |
| 11606 - Renovate 3/4" and 1" Meter Sets | \$13,690 |
| 11607 - Irrigation Service Retrofit Installations | \$226,723 |

TOTAL PROGRAM \$3,624,856

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------------|
| Gross | 4,487,572 | 3,624,856 | 3,624,856 | 3,624,856 | 3,624,856 | 3,624,856 | 18,124,280 | 18,124,280 | 36,248,560 | 76,984,692 |
| Contrib | -3,970,508 | -2,654,646 | -2,654,646 | -2,654,646 | -2,654,646 | -2,654,646 | -13,273,230 | -13,273,230 | -26,546,460 | -57,063,428 |
| Net | 517,064 | 970,210 | 970,210 | 970,210 | 970,210 | 970,210 | 4,851,050 | 4,851,050 | 9,702,100 | 19,921,264 |

Category: **Metering and Billing** Org: **386 Small Meter Maintenance and Field Cu** Location: **ALLMOND** Funding: **DEPR**
3999 ACCT WATER METER PURCHASE - ANNUAL ALLOWANCE Justification: **Operating Requirement, Economic Benefit, Improved Customer Service, Growth Related**

Purchase of new meters for new service installations or to replace meters that have reached the end of their functional life. This is a systematic purchase to ensure meters are available for proactive and active change-out and installation.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|----------------|
| Gross | 1,167,675 | 1,091,166 | 1,091,166 | 1,091,166 | 1,091,166 | 1,091,166 | 5,455,830 | 5,455,830 | 10,911,660 | 22,990,995 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 1,167,675 | 1,091,166 | 1,091,166 | 1,091,166 | 1,091,166 | 1,091,166 | 5,455,830 | 5,455,830 | 10,911,660 | 22,990,995 |

Category: Main Extensions Org: 366 New Development and Distribution Ext Location: DEV Funding: REIMB\SDC
11587 DISTRIBUTION MAIN EXTENSIONS - DEVELOPER-FINANCED - PROJECT ALLOWANCE Justification: Operating Requirement, Contributed Capital, Growth Related

Developer financed distribution main extensions with cash and non-cash contribution to LWC.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|----------------|
| Gross | 6,500,000 | 5,400,000 | 5,000,000 | 5,000,000 | 5,000,000 | 5,000,000 | 25,400,000 | 25,000,000 | 50,000,000 | 106,900,000 |
| Contrib | -6,500,000 | -5,400,000 | -5,000,000 | -5,000,000 | -5,000,000 | -5,000,000 | -25,400,000 | -25,000,000 | -50,000,000 | -106,900,000 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Category: Main Extensions Org: 366 New Development and Distribution Ext Location: DEV Funding: SDC
11587 DISTRIBUTION MAIN EXTENSIONS - LWC CONTRIBUTIONS - PROJECT ALLOWANCE Justification: Operating Requirement, Contributed Capital, Growth Related

LWC contribution for distribution main upsizing, grid-ties for developer financed distribution main extensions, and "growth" required projects during 2006.
Average over the past three years is \$325,000.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|---------|---------|---------|---------|---------|---------|-----------|-----------|-----------|----------------|
| Gross | 325,000 | 650,000 | 650,000 | 650,000 | 650,000 | 650,000 | 3,250,000 | 3,250,000 | 6,500,000 | 13,325,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 325,000 | 650,000 | 650,000 | 650,000 | 650,000 | 650,000 | 3,250,000 | 3,250,000 | 6,500,000 | 13,325,000 |

Category: Main Extensions Org: 366 New Development and Distribution Ext Location: DEV Funding: CUST\SDC
11588 DISTRIBUTION MAIN EXTENSIONS - TAPPING FEE METHOD AND TWO-THIRDS MAJORITY ME Justification: Operating Requirement, Contributed Capital

Selected tapping fee method extensions and two-thirds majority method extensions throughout the LWC retail service area.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|---------|---------|---------|---------|---------|---------|-----------|-----------|-----------|----------------|
| Gross | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 500,000 | 500,000 | 1,000,000 | 2,100,000 |
| Contrib | -50,000 | -50,000 | -50,000 | -50,000 | -50,000 | -50,000 | -250,000 | -250,000 | -500,000 | -1,050,000 |
| Net | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 250,000 | 250,000 | 500,000 | 1,050,000 |

Category: Main Extensions Org: 366 New Development and Distribution Ext Location: PS Funding: SDC/DEPR

11447 **HOLSCLAW HILL PUMP STATION**

Justification: Regulatory, Safety, Operating Requirement, Contract Commitment, Growth Related

Design and construct a pump station at 11401 Holsclaw Hill Rd for a build out of 10 customers. Required due to Ordinance No. 30, Series 2002, adopted 11/12/02 requiring LWC to provide water service to three customers on Holsclaw Hill Rd. Due to the elevation rise, the existing water pressure will not serve these customers without a pump station.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|---------|--------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 103,000 | 50,000 | 0 | 0 | 0 | 0 | 50,000 | 0 | 0 | 153,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 103,000 | 50,000 | 0 | 0 | 0 | 0 | 50,000 | 0 | 0 | 153,000 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC Funding: BCWR/CUST

11590 **BCEP PUBLIC ROAD PETITION MAINS PROGRAM ALLOWANCE**

Justification: Contract Commitment, Growth Related

This budget item is a specified program for the installation of 2/3 majority petition distribution mains as part of the Bullitt County Extension Program (BCEP). The BCEP is self funded by a customer connection fee of up to \$5,450 with the balance from the BCWR. The BCEP is required of LWC by a contract commitment.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|---------|----------|----------|----------|----------|----------|-----------|-----------|-----------|----------------|
| Gross | 605,000 | 400,000 | 400,000 | 400,000 | 400,000 | 400,000 | 2,000,000 | 2,000,000 | 0 | 4,605,000 |
| Contrib | 0 | -145,000 | -145,000 | -145,000 | -145,000 | -145,000 | -725,000 | -725,000 | 0 | -1,450,000 |
| Net | 605,000 | 255,000 | 255,000 | 255,000 | 255,000 | 255,000 | 1,275,000 | 1,275,000 | 0 | 3,155,000 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC Funding: BCWR

11589 **BULLITT COUNTY SYSTEM IMPROVEMENTS PROGRAM ALLOWANCE**

Justification: Contract Commitment

Install fire hydrants, gate valves and small grid-ties in Bullitt County as outlined in the Merger Agreement.

2007 projects:
 26 fire hydrants \$97,916
 38 gate valves \$163,400
 Small grid-ties \$75,000

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|---------|---------|---------|---------|---------|------|-----------|-----------|-----------|----------------|
| Gross | 336,300 | 336,300 | 336,300 | 336,300 | 261,850 | 0 | 1,270,750 | 0 | 0 | 1,607,050 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 336,300 | 336,300 | 336,300 | 336,300 | 261,850 | 0 | 1,270,750 | 0 | 0 | 1,607,050 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC Funding: BCWR
 11592 BCEP BACKBONE DISTRIBUTION MAINS Justification: Contract Commitment, Growth Related

This budget item is a specified program for the installation of backbone distribution mains as part of the Bullitt County Extension Program (BCEP). The BCEP is self funded by the Bullitt County Water Reserve and is required of LWC by a contract commitment.

2007 cash flow
 Hwy 245 (Clermont Rd to Lotus with \$1,347,500 in 2008)

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|---------|---------|-----------|---------|---------|------|-----------|-----------|-----------|----------------|
| Gross | 205,000 | 200,000 | 1,347,500 | 200,000 | 220,000 | 0 | 1,967,500 | 0 | 0 | 2,172,500 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 205,000 | 200,000 | 1,347,500 | 200,000 | 220,000 | 0 | 1,967,500 | 0 | 0 | 2,172,500 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC Funding: BCWRICUST
 11591 BCEP PRIVATE ROAD TAPPING FEE MAINS PROGRAM ALLOWANCE Justification: Contract Commitment, Growth Related

This budget item is a specified program for the opportunity for the installation of private road tapping fee mains as part of the Bullitt County Extension Program (BCEP). These private road mains are 100% reimbursable from the private property owners. LWC is required to offer such private road mains due to a contract commitment.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|---------|---------|---------|---------|---------|---------|-----------|-----------|-----------|----------------|
| Gross | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 250,000 | 250,000 | 500,000 | 1,050,000 |
| Contrib | -50,000 | -50,000 | -50,000 | -50,000 | -50,000 | -50,000 | -250,000 | -250,000 | -500,000 | -1,050,000 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC/MRRP Funding: BCWR/SDC
 BULLITT CO MRRP IMPROVEMENTS Justification: Operating Requirement, Contract Commitment, Improved Customer Service, Growth Related

Program to install large grid-ties and replace water mains in Bullitt County as outlined in the merger agreement or as required per system planning or hydraulics. 2007 projects are listed separately in plan.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|------|---------|---------|--------|------|-----------|-----------|-----------|----------------|
| Gross | 51,700 | 0 | 170,000 | 414,000 | 75,000 | 0 | 659,000 | 1,000,000 | 2,000,000 | 3,710,700 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 51,700 | 0 | 170,000 | 414,000 | 75,000 | 0 | 659,000 | 1,000,000 | 2,000,000 | 3,710,700 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC Funding: GRANT

02327 CASTLEMAN BRANCH MAIN EXTENSION

Justification: Operating Requirement, Economic Benefit, Other

Installation of 400 ft of 6" water main and 3,400 ft of 8" water main along the right of way of Castleman Branch Rd from High Water Rd to 1604 Castleman Branch Rd. KIA grant is expected.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|---------|----------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 276,500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 276,500 |
| Contrib | 0 | -280,000 | 0 | 0 | 0 | 0 | -280,000 | 0 | 0 | -280,000 |
| Net | 276,500 | -280,000 | 0 | 0 | 0 | 0 | -280,000 | 0 | 0 | -3,500 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC Funding: BCWRIGRANT

10452 LICKSKILLET WATER MAIN EXT

Justification: Operating Requirement, Economic Benefit, Regulatory, Improved Customer Service

Lickskillet Dr, W Indian Stone Rd, Big Springs Dr, West Big Country Rd, East Big Country Rd, East Indian Stone Rd, and Thunder Rd water main extensions. KIA grant.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|---------|----------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 250,000 | 966,410 | 0 | 0 | 0 | 0 | 966,410 | 0 | 0 | 1,216,410 |
| Contrib | 0 | -393,478 | 0 | 0 | 0 | 0 | -393,478 | 0 | 0 | -393,478 |
| Net | 250,000 | 572,932 | 0 | 0 | 0 | 0 | 572,932 | 0 | 0 | 822,932 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC/STORAGE Funding: BCWRIGRANT

11392 RIDGE RD/HWY 480 TANK

Justification: Operating Requirement, Contract Commitment, Improved Customer Service, Growth Related

The KY 480 elevated storage tank 780 pressure plane is proposed to be located near the intersection of Miller's Ln and KY 480. The tank's overflow elevation is 780 ft and the tank is expected to be approx 160-180 ft of height. LWC has received a conditional commitment letter for a \$300,000 KIA Grant for the construction of this tank. This tank will allow for the expansion of the 690 pressure plane f and will allow more water to be sent to North Nelson Water District to meet their growing demand while improving pressure to residents located on the suction side of KT #3 pump station.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|---------|----------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 160,000 | 840,000 | 0 | 0 | 0 | 0 | 840,000 | 0 | 0 | 1,000,000 |
| Contrib | 0 | -300,000 | 0 | 0 | 0 | 0 | -300,000 | 0 | 0 | -300,000 |
| Net | 160,000 | 540,000 | 0 | 0 | 0 | 0 | 540,000 | 0 | 0 | 700,000 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC/STORAGE Funding: GRANT/DEPR
10270 BULLITT CO TRANSMISSION/STORAGE - STORAGE TANK Justification: Operating Requirement, Growth, Contract Commitment

Erect a new 1MG storage tank in southern Bullitt County to support system growth. Project will be partially reimbursed by a KIA grant.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|----------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 90,000 | 802,775 | 0 | 0 | 0 | 0 | 802,775 | 0 | 0 | 892,775 |
| Contrib | 0 | -550,000 | 0 | 0 | 0 | 0 | -550,000 | 0 | 0 | -550,000 |
| Net | 90,000 | 252,775 | 0 | 0 | 0 | 0 | 252,775 | 0 | 0 | 342,775 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC Funding: BCWR
03308 BARRICKS ROAD NORTH WATER MAIN EXTENSION Justification: Operating Requirement, Economic Benefit, Regulatory, Improved Customer Service

One resident has signed the Bullitt County Extension Program Letter of Intent to Initiate Water Service along a Public Road. The size of this water main has been upgraded to a 12-inch to serve anticipated future development to make a future connection to the existing 12-inch main on Willabrook Dr. The 12-inch main will also service as a secondary parallel transmission main.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|--------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 9,174 | 60,826 | 0 | 0 | 0 | 0 | 60,826 | 0 | 0 | 70,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 9,174 | 60,826 | 0 | 0 | 0 | 0 | 60,826 | 0 | 0 | 70,000 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC Funding: GRANT/DEPR
11595 LEBANON JUNCTION TRANSMISSION SUPPLY MAIN Justification: Growth, Contract Commitment

Project will install an 8 inch line along Highway 61 from the intersection of Highway 733 to the Lebanon Junction Corporate Limit. Estimate based on 5,220 ft at \$35 per ft. Partial reimbursement will be provided by a KIA grant. Upsizing the main to 12 inch will be funded by Bullitt Co SDC.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|----------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 60,000 | 487,000 | 0 | 0 | 0 | 0 | 487,000 | 0 | 0 | 547,000 |
| Contrib | 0 | -383,000 | 0 | 0 | 0 | 0 | -383,000 | 0 | 0 | -383,000 |
| Net | 60,000 | 104,000 | 0 | 0 | 0 | 0 | 104,000 | 0 | 0 | 164,000 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC Funding: GRANT/BCWR

11198 HILLTOP RD MAIN EXT Justification: Contract Commitment, Contributed Capital

Extend 6" main from Hwy 44 W along Hilltop Rd approx 11,000 ft to serve customers. Received a state grant in the amount of \$399,000.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|----------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 50,000 | 370,983 | 0 | 0 | 0 | 0 | 370,983 | 0 | 0 | 420,983 |
| Contrib | 0 | -399,000 | 0 | 0 | 0 | 0 | -399,000 | 0 | 0 | -399,000 |
| Net | 50,000 | -28,017 | 0 | 0 | 0 | 0 | -28,017 | 0 | 0 | 21,983 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC Funding: BCWR

03313 JOHNSON HOLLOW PRV AND GRID-TIE Justification: Operating Requirement, Economic Benefit, Improved Customer Service, Other

Install a PRV station and 4,500 lf of 8" water main in 600 ft of easement and 4000 ft of R/W beginning at Oakcrest Ln to proposed Johnson Hollow Rd water main. Grid-tie is needed to provide required pressure and fire flow to potential customers on Johnson Hollow Rd, Twin Acres Dr, Trappers Rd and portions of Prior Valley Rd.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 30,000 | 250,000 | 0 | 0 | 0 | 0 | 250,000 | 0 | 0 | 280,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 30,000 | 250,000 | 0 | 0 | 0 | 0 | 250,000 | 0 | 0 | 280,000 |

Category: Bullitt County Org: 222 Production and Process Engineering Location: BC/BPS Funding: BCWR

10278 RIDGE ROAD/HWY 480 BPS Justification: Operating Requirement, Growth, Contract Commitment

Construct 1-MGD BPS to support system growth and improve customer pressure and flow.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 48,000 | 302,000 | 0 | 0 | 0 | 0 | 302,000 | 0 | 0 | 350,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 48,000 | 302,000 | 0 | 0 | 0 | 0 | 302,000 | 0 | 0 | 350,000 |

144

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC Funding: BCWR/GRANT
 03315 JOHNSON HOLLOW RD MAIN EXT Justification: Economic Benefit, Other

A 2/3 majority petition project from residents on Johnson Hollow Rd and Twin Acres Dr for a water main extension. LWC has received preliminary notification of a \$72,000 KIA grant on Johnson Hollow Rd.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 65,000 | 111,000 | 0 | 0 | 0 | 0 | 111,000 | 0 | 0 | 176,000 |
| Contrib | 0 | -72,000 | 0 | 0 | 0 | 0 | -72,000 | 0 | 0 | -72,000 |
| Net | 65,000 | 39,000 | 0 | 0 | 0 | 0 | 39,000 | 0 | 0 | 104,000 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC Funding: BCWR
 11477 HWY 44 MAIN EXT - W OF CASTLEMAN BRANCH RD Justification: Contract Commitment

Install 1700 LF of 6" water main and one fire hydrant to provide service to customers on Hwy 44.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|--------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 20,000 | 52,000 | 0 | 0 | 0 | 0 | 52,000 | 0 | 0 | 72,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 20,000 | 52,000 | 0 | 0 | 0 | 0 | 52,000 | 0 | 0 | 72,000 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC/STORAGE Funding: SDC/DEPR
 03608 SUGARTREE ELEVATED TANK Justification: Growth, Contract Commitment

Construct bolted steel tank to support system growth.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|---------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 163,196 | 106,804 | 0 | 0 | 0 | 0 | 106,804 | 0 | 0 | 270,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 163,196 | 106,804 | 0 | 0 | 0 | 0 | 106,804 | 0 | 0 | 270,000 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC Funding: BCWR

10573 HORSEFLY HOLLOW RD-COLLINGS HILL RD GRID-TIE

Justification: Operating Requirement, Contract Commitment, Economic Benefit, Improved Customer Service, Growth Related, Other

Install approx 5,500 lf of 12" PVC main. This project will supplement the 8" water main by providing a 12" parallel pathway that will improve the total volume capacity to southern Bullitt County.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 49,534 | 200,466 | 0 | 0 | 0 | 0 | 200,466 | 0 | 0 | 250,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 49,534 | 200,466 | 0 | 0 | 0 | 0 | 200,466 | 0 | 0 | 250,000 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC Funding: BCWR

11131 APPLE VALLEY WAY 8" GRID-TIE

Justification: Improved Customer Service, Reliability

Install 1100 LF of 8" water main between Apple Valley Way and Pine Creek Rd. Proposed water main will complete an 8" grid-tie between Ridge Rd and KY 480.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 30,000 | 174,500 | 0 | 0 | 0 | 0 | 174,500 | 0 | 0 | 204,500 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 30,000 | 174,500 | 0 | 0 | 0 | 0 | 174,500 | 0 | 0 | 204,500 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC Funding: BCWRGRANTCUST

03307 KNOB CREEK RD WATER MAIN - LAKE ELMO TO JEFF CO LINE

Justification: Growth, Contributed Capital, Contract Commitment

This route will provide a backup backbone supply to the Sugartree Tank from the Jefferson Memorial Forest tank. May receive a FY 2003-4 KY General Assembly grant. Reimbursement also includes tapping fee.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 20,000 | 176,000 | 0 | 0 | 0 | 0 | 176,000 | 0 | 0 | 196,000 |
| Contrib | 0 | -90,000 | 0 | 0 | 0 | 0 | -90,000 | 0 | 0 | -90,000 |
| Net | 20,000 | 86,000 | 0 | 0 | 0 | 0 | 86,000 | 0 | 0 | 106,000 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC/MRRP Funding: BCWRISDC
 11597 CHAPEZE RD WATER MAIN Justification: Operating Requirement, Contract Commitment, Improved Customer Service, Growth Related

Install 10,000 ft of 16" water main from I-65 to Hwy 245. Will provide additional hydraulic capacity to help serve local growth and the contractual commitment to serve Jim Beam Distilleries' demand needs.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|---------|---------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 175,000 | 744,000 | 0 | 0 | 0 | 919,000 | 0 | 0 | 919,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 175,000 | 744,000 | 0 | 0 | 0 | 919,000 | 0 | 0 | 919,000 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC/MRRP Funding: BCWRISDC
 11596 CEDAR CREEK RD GRID-TIE Justification: Operating Requirement, Contract Commitment, Improved Customer Service

Install 1150 ft of 8" grid-tie and PRV across Cedar Creek. This project will connect 860 and 760 pressure planes and serve as backup supply to the Zoneton BPS. Grid-tie will provide an additional feed into the Zoneton system and will facilitate future pressure plane improvements in the area.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 113,000 | 0 | 0 | 0 | 0 | 113,000 | 0 | 0 | 113,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 113,000 | 0 | 0 | 0 | 0 | 113,000 | 0 | 0 | 113,000 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC Funding: BCWR
 02348 CHESTER LN MAIN EXTENSION Justification: Contract Commitment

LWC has received 2/3 majority Letter of Intent from residents on Chester Ln.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 9,311 | 130,689 | 0 | 0 | 0 | 0 | 130,689 | 0 | 0 | 140,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 9,311 | 130,689 | 0 | 0 | 0 | 0 | 130,689 | 0 | 0 | 140,000 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC Funding: BCWR
 02343 **HURST RD MAIN EXTENSION** Justification: Operating Requirement, Economic Benefit, Regulatory

2/3 majority BCEP public petition main to serve residents along Hurst Rd.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 12,455 | 131,545 | 0 | 0 | 0 | 0 | 131,545 | 0 | 0 | 144,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 12,455 | 131,545 | 0 | 0 | 0 | 0 | 131,545 | 0 | 0 | 144,000 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC Funding: BCWR
 11112 **APPLE VALLEY WAY MAIN EXTENSION** Justification: Contract Commitment, Growth Related, Reliability

Furnish and install 5,450 ft of 8" main in easements and ROW along Apple Valley Way.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 40,000 | 154,000 | 0 | 0 | 0 | 0 | 154,000 | 0 | 0 | 194,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 40,000 | 154,000 | 0 | 0 | 0 | 0 | 154,000 | 0 | 0 | 194,000 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: TRANSM Funding: SDC/DEPR
 01664 **S DIXIE 16" GRID-TIE** Justification: Operating Requirements

Grid-tie to connect deadend mains that were not completed due to existing utilities and timing for easement acquisition. The 16" grid-tie will provide system improved flow availability to southwest Jefferson County. Water quality will also be enhanced through the elimination of long dead end portions of 16" diameter main. Approx 2000 lf of 16" DIWM shall be installed.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 30,000 | 150,000 | 0 | 0 | 0 | 0 | 150,000 | 0 | 0 | 180,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 30,000 | 150,000 | 0 | 0 | 0 | 0 | 150,000 | 0 | 0 | 180,000 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC Funding: BCWR\GRANT
 10274 LAKE ELMO RD WATER MAIN Justification: Growth, Contributed Capital, Contract Commitment

Install 4,800 ft of 8" water main along Lake Elmo from Highway 2672 to end. Project will be partially funded by a KIA grant.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 15,000 | 153,000 | 0 | 0 | 0 | 0 | 153,000 | 0 | 0 | 168,000 |
| Contrib | 0 | -80,000 | 0 | 0 | 0 | 0 | -80,000 | 0 | 0 | -80,000 |
| Net | 15,000 | 73,000 | 0 | 0 | 0 | 0 | 73,000 | 0 | 0 | 88,000 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC Funding: GRANT\BCWR
 11233 YORKSHIRE PART II Justification: Contract Commitment

Yorkshire Blvd is part of the BCEP and was identified in the Bullitt County Merger Agreement. In 2002, LWC received a KIA grant to extend water on this route. During the design, it was discovered that a portion of this road was private. A main was not extended on the private portion of this road. Since this time, the residents have dedicated this portion of the road for public use. In June 2005, Bullitt County Fiscal Court designated \$72,969 of discretionary KIA funding to the extension of a water main on this remaining section of Yorkshire Blvd. Nine customers would be served by this main extension.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 8,874 | 89,119 | 0 | 0 | 0 | 0 | 89,119 | 0 | 0 | 97,993 |
| Contrib | 0 | -72,969 | 0 | 0 | 0 | 0 | -72,969 | 0 | 0 | -72,969 |
| Net | 8,874 | 16,150 | 0 | 0 | 0 | 0 | 16,150 | 0 | 0 | 25,024 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC Funding: GRANT\BCWR
 11398 RIDGE RD EXTENSION Justification: Contract Commitment, Growth Related

Install 1600 LF of 8" water main from intersection of KY 1442 and Clarks Ln to the end of Ridge Rd extension.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 14,000 | 66,000 | 0 | 0 | 0 | 0 | 66,000 | 0 | 0 | 80,000 |
| Contrib | 0 | -65,000 | 0 | 0 | 0 | 0 | -65,000 | 0 | 0 | -65,000 |
| Net | 14,000 | 1,000 | 0 | 0 | 0 | 0 | 1,000 | 0 | 0 | 15,000 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC Funding: BCWR
 11332 STAVE MILL RD GRID-TIE Justification: Contract Commitment, Improved Customer Service

To extend an 8" main along Stave Mill Rd and tie into the 6" Zoneton Rd main.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|--------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 12,000 | 44,562 | 0 | 0 | 0 | 0 | 44,562 | 0 | 0 | 56,562 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 12,000 | 44,562 | 0 | 0 | 0 | 0 | 44,562 | 0 | 0 | 56,562 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC Funding: BCWR
 11232 SKYVIEW DR WATER MAIN EXTENSION Justification: Contract Commitment

Extend a 6-inch main from Hwy 44 West along Skyview Dr approx 1,000 ft to serve one customer. Skyview is listed in the merger agreement as a project to provide water. We have received a petition from the one customer and he has paid the service fee.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|--------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 5,963 | 39,037 | 0 | 0 | 0 | 0 | 39,037 | 0 | 0 | 45,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 5,963 | 39,037 | 0 | 0 | 0 | 0 | 39,037 | 0 | 0 | 45,000 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC Funding: BCWR
 11229 TWIN ACRES MAIN EXT Justification: Contract Commitment

Install 1600 lf of 8" and 4" PVC water main beginning at the intersection of Johnson Hollow Rd and Twin Acres Dr to the end.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|--------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 9,000 | 55,000 | 0 | 0 | 0 | 0 | 55,000 | 0 | 0 | 64,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 9,000 | 55,000 | 0 | 0 | 0 | 0 | 55,000 | 0 | 0 | 64,000 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC Funding: BCWR
 11399 **BIG VALLEY GRID-TIE** Justification: Improved Customer Service

Install 450 lf of 8" water main from existing 6" water main located 400 ft east of Pryor Valley Rd and Smith Landfill Rd to existing 8" water main near 485 Big Valley Rd. Grid-tie will provide fire flow to approximately 40 existing customers. Grid-tie will connect to the proposed Johnson Hollow water main extension that will be fed by a PRV station connecting to the 1030 Gospel Kingdom system.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|--------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 3,000 | 39,000 | 0 | 0 | 0 | 0 | 39,000 | 0 | 0 | 42,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 3,000 | 39,000 | 0 | 0 | 0 | 0 | 39,000 | 0 | 0 | 42,000 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC Funding: BCWR/GRANT
 11414 **BIVINS POINT RD** Justification: Contract Commitment

Bivins Point Rd is part of the BCEP and was identified in the Bullitt County Merger Agreement. We have received a KIA grant to extend water on this route. In June 2005, Bullitt County Fiscal Court designated \$568 of discretionary KIA funding to the extension of a water main on this road. Ten customers would be served by this main extension.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|--------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 3,000 | 27,000 | 0 | 0 | 0 | 0 | 27,000 | 0 | 0 | 30,000 |
| Contrib | 0 | -568 | 0 | 0 | 0 | 0 | -568 | 0 | 0 | -568 |
| Net | 3,000 | 26,432 | 0 | 0 | 0 | 0 | 26,432 | 0 | 0 | 29,432 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC Funding: BCWR
 11452 **LICKSKILLET GRID-TIE** Justification: Operating Requirement, Improved Customer Service, Growth Related

Install 640 LF of 8" water main to complete a grid-tie from the proposed water main in East Indian Stone to Ironwood Trail. Grid-tie will improve hydraulics for the KY 480 Hwy corridor and the Lickskillet area and will be a secondary connection to provide reliability for over 80 homes.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|--------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 8,000 | 24,000 | 0 | 0 | 0 | 0 | 24,000 | 0 | 0 | 32,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 8,000 | 24,000 | 0 | 0 | 0 | 0 | 24,000 | 0 | 0 | 32,000 |

| | | | | | | | | | | | | |
|---------|-------|--------|---------|------|------|------|-----------|-----------|-----------|----------------|---|---------|
| Net | 0 | 25,000 | 215,000 | 0 | 0 | 0 | 0 | 0 | 0 | 240,000 | 0 | 240,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gross | 0 | 25,000 | 215,000 | 0 | 0 | 0 | 0 | 0 | 0 | 240,000 | 0 | 240,000 |
| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate | | |

Install 4100 ft of 16" water main from Chapeze Ln to Clermont. Will provide additional hydraulic capacity to help serve local growth and the contractual commitment to serve Jim Beam Distilleries' demand needs..

11598 HWY 245 WATER MAIN
 Category: Bullitt County
 Org: 369 Bullitt County Water Improvement Prog
 Location: BC/MRRP
 Funding: BCWRSDC
 Justification: Operating Requirement, Contract Commitment, Improved Customer Service, Growth Related

| | | | | | | | | | | |
|---------|-------|--------|------|------|------|------|-----------|-----------|-----------|----------------|
| Net | 2,500 | 4,142 | 0 | 0 | 0 | 0 | 4,142 | 0 | 0 | 6,642 |
| Contrib | 0 | -7,358 | 0 | 0 | 0 | 0 | -7,358 | 0 | 0 | -7,358 |
| Gross | 2,500 | 11,500 | 0 | 0 | 0 | 0 | 11,500 | 0 | 0 | 14,000 |
| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |

Clara Dr is part of the BCFP and was identified in the BC Merger Agreement. We have received a KIA grant to extend water on this route. Two customers would be served by this main extension.

11419 CLARA DR PETITION MAIN
 Category: Bullitt County
 Org: 369 Bullitt County Water Improvement Prog
 Location: BC
 Funding: GRANTBCWR
 Justification: Contract Commitment

| | | | | | | | | | | |
|---------|-------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Net | 4,296 | 4,809 | 0 | 0 | 0 | 0 | 4,809 | 0 | 0 | 9,105 |
| Contrib | 0 | -15,895 | 0 | 0 | 0 | 0 | -15,895 | 0 | 0 | -15,895 |
| Gross | 4,296 | 20,704 | 0 | 0 | 0 | 0 | 20,704 | 0 | 0 | 25,000 |
| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |

Burden Circle is part of the BCFP and was identified in the Bullitt County Merger Agreement. We have received a KIA grant to extend water on this route. In June 2005, Bullitt County Fiscal Court designated \$15,895 of discretionary KIA funding to the extension of a water main on this road. Four customers would be served by this main extension.

11244 BURDEN CIRCLE
 Category: Bullitt County
 Org: 369 Bullitt County Water Improvement Prog
 Location: BC
 Funding: GRANTBCWR
 Justification: Contract Commitment

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: SHEP Funding: SHEP

SHEPHERDSVILLE FIRE HYDRANT AND GATE VALVE IMPROVEMENT PROGRAM

Justification: Contract Commitment

Program to replace and rehabilitate fire hydrants in Shepherdsville to bring hydrants and fire protection up to LWC standards. Estimates based on installing 130 new hydrants at \$2,220 per hydrant, replacing 50 single pumper hydrants at \$2,200 per hydrant and adding 80 gate valves and key tubes to existing hydrants at a cost of \$1,500 per hydrant. Project is a contract commitment from the Shepherdsville Water System acquisition. Funding will be provided by Shepherdsville Reserve Fund.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|--------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 75,000 | 0 | 0 | 0 | 75,000 | 0 | 0 | 75,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 75,000 | 0 | 0 | 0 | 75,000 | 0 | 0 | 75,000 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: SHEP Funding: SHEP

SHEPHERDSVILLE DIST SYSTEM IMPROVEMENT PROGRAM

Justification: Contract Commitment

Complete grid ties, replace main with high break history, and increase size of mains unable to support fire flow requirements. Program is a contract commitment funded by the Shepherdsville Water Reserve Fund. Estimates based on replacing 50% of a 4 inch or smaller water lines (17,030 ft) in the system.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|---------|---------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 100,000 | 100,000 | 0 | 0 | 200,000 | 0 | 0 | 200,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 100,000 | 100,000 | 0 | 0 | 200,000 | 0 | 0 | 200,000 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC/BPS Funding: BCWRIGRANT

BULLITT CO - HIGHWAYS 251/61 BPS

Justification: Operating Requirement, Growth, Contract Commitment

Install new 1-MGD Booster Pump Station to support system growth in southern Bullitt Co

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 275,000 | 0 | 275,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 275,000 | 0 | 275,000 |

Category: Bullitt County Org: 369 Bullitt County Water Improvement Prog Location: BC/STORAGE Funding: BCWR
RIDGE ROAD 820 PZ ELEVATED STORAGE TANK Justification: Operating Requirement, Growth, Contract Commitment

Project to provide additional capacity and pressure in the Eastern Ridge Rd area. Area currently is served by back feeding from N. Nelson Water District. Future growth will require tank construction.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 950,000 | 950,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 950,000 | 950,000 |

Category: Information Technology Org: 441 Supplying IT Resources Location: Funding: DEPR
11611 IVR/IWR SYSTEM IMPLEMENTATION Justification: Operating Requirement, Economic Benefit, Improved Customer Service

Procure and implement an integrated Interactive Voice Response/Interactive Web Response System. The project scope will include replacement of the existing IVR which will reach end-of-life in 2007 with new technology. The scope will also include the addition of web based access to customer information similar to the IVR. Functionality will include customer access to basic account and service information and the ability to make payments and inquiries via the web or telephone.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|---------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 480,000 | 0 | 0 | 0 | 0 | 480,000 | 0 | 0 | 480,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 480,000 | 0 | 0 | 0 | 0 | 480,000 | 0 | 0 | 480,000 |

Category: Information Technology Org: 441 Supplying IT Resources Location: Funding: DEPR
3999 ACCT FILE/APPLICATION SERVER UPGRADES/REPLACEMENTS Justification: Operating Requirement

Provide for the upgrade or replacement of Corporate file and application servers on a 3 to 5 year cycle to meet the computing needs of the business. This project will also ensure the reliability and functionality of Enterprise computing network and provide for increasing capacity of our servers and network devices.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|--------|--------|--------|--------|--------|-----------|-----------|-----------|----------------|
| Gross | 75,000 | 75,000 | 75,000 | 75,000 | 75,000 | 75,000 | 375,000 | 100,000 | 0 | 550,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 75,000 | 75,000 | 75,000 | 75,000 | 75,000 | 75,000 | 375,000 | 100,000 | 0 | 550,000 |

154

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|---------|-----------|---------|------|------|-----------|-----------|-----------|----------------|
| Net | 0 | 200,000 | 2,500,000 | 800,000 | 0 | 0 | 3,500,000 | 0 | 0 | 3,500,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gross | 0 | 200,000 | 2,500,000 | 800,000 | 0 | 0 | 3,500,000 | 0 | 0 | 3,500,000 |

Replace existing work order system with asset/work management system capable of integration with other key LWC business applications that meet the operational needs and goals of the company.

11608 **WORK MANAGEMENT AND FIELD OPERATIONS SYSTEM**
 Category: Information Technology Org: 444 Providing Information Supply Systems Location: ALLMOND Funding: DEPR
 Justification: Operating Requirement, Economic Benefit, Improved Customer Service

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|------|------|-----------|-----------|-----------|------------|------------|----------------|
| Net | 0 | 0 | 0 | 0 | 2,000,000 | 2,000,000 | 4,000,000 | 10,000,000 | 20,000,000 | 34,000,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gross | 0 | 0 | 0 | 0 | 2,000,000 | 2,000,000 | 4,000,000 | 10,000,000 | 20,000,000 | 34,000,000 |

FUTURE YEAR TECHNOLOGY IMPROVEMENT/REPLACEMENTS
 Category: Information Technology Org: 441 Supplying IT Resources Location: Funding: DEPR
 Justification:

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|---------|-----------|------|------|-----------|-----------|-----------|----------------|
| Net | 0 | 0 | 250,000 | 1,250,000 | 0 | 0 | 1,500,000 | 0 | 0 | 1,500,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gross | 0 | 0 | 250,000 | 1,250,000 | 0 | 0 | 1,500,000 | 0 | 0 | 1,500,000 |

Provide for application and data replication by installing a second storage area network to be located at LWC or other secure facility. The environment will provide recovery of data and applications through use of remote data and application replication protocols in the event of system or computer center loss at Corporate headquarters. This will allow LWC IT staff to recover data and applications to meet business processing needs and serve as the foundation for IT Architecture Disaster Recovery in support of LWC Business Continuity Plans.

DISASTER RECOVERY AND BUSINESS CONTINUITY FOR IT ARCHITECTURES
 Category: Information Technology Org: 441 Supplying IT Resources Location: Funding: DEPR
 Justification: Operating Requirement, Improved Customer Service

Category: Information Technology Org: 444 Providing Information Supply Systems Location: CHFP Funding: DEPR

11599 LABORATORY INFORMATION MANAGEMENT SYSTEM (LIMS)

Justification: Improved Customer Service, Operating Requirement

Replace or upgrade the current system which was installed in 1996 and upgraded to Year 2000 compliance in 1999. There have been no significant software or technical platform upgrades to the system since 1999 which is leading to support issues and operating risks for the database and technical platforms. The replacement system will provide improved functionality on a more efficient and cost effective data and technical platform.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|--------|---------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 75,000 | 225,000 | 0 | 0 | 0 | 300,000 | 0 | 0 | 300,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 75,000 | 225,000 | 0 | 0 | 0 | 300,000 | 0 | 0 | 300,000 |

Category: Information Technology Org: 446 Providing Technical Services Location: Funding: DEPR

3999 ACCT HIGH-END DESKTOP COMPUTER HARDWARE/SOFTWARE

Justification: Operating Requirement

The IT O/M budget provides funding for standard desktop computer equipment and software. In a recent Business System needs analysis, it was determined that several high end machines (high end notebooks primarily) and equipment (high end printers, plotters, scanners, and projectors) would be needed to meet system user needs. The equipment unit cost is above \$2,500.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|--------|--------|--------|--------|--------|--------|-----------|-----------|-----------|----------------|
| Gross | 40,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 75,000 | 0 | 0 | 115,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 40,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 75,000 | 0 | 0 | 115,000 |

Category: Information Technology Org: 446 Providing Technical Services Location: Funding: DEPR

3999 ACCT VOICE MAIL SYSTEM UPGRADE

Justification: Improved Customer Service, Other

Upgrade existing voice mail system with digital processing boards and latest version of system software. The digital boards will provide for better and faster call and message processing, capacity, and integration with current telecommunications systems. The software will be upgraded to latest release which will improve performance and ensure we are on supported versions of the platform. The upgrade will also require replacement of the PBX interface boards.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|--------|------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 25,000 | 0 | 0 | 0 | 0 | 25,000 | 0 | 0 | 25,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 25,000 | 0 | 0 | 0 | 0 | 25,000 | 0 | 0 | 25,000 |

Category: Information Technology Org: 446 Providing Technical Services Location: Funding: DEPR

3999 ACCT STORAGE AREA NETWORK - DMX REFRESH OF CURRENT SYMMETRIX SYSTEM Justification: Economic Benefit, Improved Customer Service

Upgrade storage area network equipment from Symmetrix to EMC DMX technology. Project will provide for hardware, software and professional services for the specification, procurement, installation and configuration of DMX to replace current Symmetrix system.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|---------|------|---------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 150,000 | 0 | 780,000 | 0 | 0 | 0 | 780,000 | 0 | 0 | 930,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 150,000 | 0 | 780,000 | 0 | 0 | 0 | 780,000 | 0 | 0 | 930,000 |

Category: Information Technology Org: 446 Providing Technical Services Location: Funding: DEPR

TELECOMMUNICATIONS GEOGRAPHIC REDUNDANCY Justification: Economic Benefit, Improved Customer Service

Upgrade PBX components at LWC facilities to provide for geographic redundancy in support of Business Continuity and Disaster Recovery plans. The upgrade will also provide additional management functionality; efficient use of trunk lines, enhanced functional capabilities, monitoring, and reporting; and enable the equipment for future use of voice over IP technology.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------|---------|------|------|------|-----------|-----------|-----------|----------------|
| Gross | 0 | 0 | 140,000 | 0 | 0 | 0 | 140,000 | 0 | 0 | 140,000 |
| Contrib | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net | 0 | 0 | 140,000 | 0 | 0 | 0 | 140,000 | 0 | 0 | 140,000 |

Category: Unknown Org: Location: Funding: CONTRIBUTIONS

ADDITIONAL CAPITAL CONTRIBUTIONS NOT INCLUDED IN THE ABOVE LIST OF PROJECTS Justification:

See Capital Contribution report for details.

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 | Total Estimate |
|---------|-------|------------|------------|------------|------------|------------|-------------|-------------|-----------|----------------|
| Gross | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Contrib | 0 | -3,010,000 | -3,010,000 | -3,010,000 | -3,010,000 | -3,010,000 | -15,050,000 | -15,050,000 | 0 | -30,100,000 |
| Net | 0 | -3,010,000 | -3,010,000 | -3,010,000 | -3,010,000 | -3,010,000 | -15,050,000 | -15,050,000 | 0 | -30,100,000 |

GRAND TOTAL

| | PRIOR | 2007 | 2008 | 2009 | 2010 | 2011 | 2007-2011 | 2012-2016 | 2017-2026 |
|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Gross plan | 59,473,710 | 78,401,468 | 82,379,654 | 77,244,234 | 83,181,242 | 75,418,869 | 396,625,467 | 280,189,138 | 340,666,660 |
| Contributions | -10,930,508 | -15,481,757 | -12,838,646 | -11,616,046 | -12,259,646 | -11,259,646 | -63,455,741 | -56,298,230 | -81,046,460 |