Northeast Region
Infrastructure Fact Sheets

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</tr>
</thead>
<tbody>
<tr>
<td>Delaware National Scenic River (DELA)</td>
<td>Delaware Water Gap National Recreation Area (DEWA)</td>
</tr>
</tbody>
</table>

\textsuperscript{1} This report includes all Northeast Region official park units that are managed in the Facility Management Software System (FMSS). Affiliated park units or regional offices with an inventory in the FMSS are also shown. The following official park units are not included in this report as they do not have any data managed in the FMSS: Great Egg Harbor River, Harriet Tubman National Historical Park, Harriet Tubman Underground Railroad National Historical Park, Katahdin Woods and Waters National Monument, Stonewall National Monument.

\textsuperscript{2} There is 1 official NPS unit which does not appear in this report because of the hierarchy of these units as organized in the FMSS. For the purposes of this report, the inventory associated with this park (left column) is included as a sub-set of the larger park (right column).
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Infrastructure Inventory

The figures below show the park's real property inventory by asset category as of the end of FY 2018.

- **205 Buildings**
- **153 Miles of Trails**
- **71 Housing Units***
- **6 Campgrounds**
- **80 Miles of Unpaved Roads**
- **17 Water Systems**
- **18 Waste Water Systems**
- **57 Miles of Paved Roads**
- **56 All Other Assets†**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.
†All Other assets include maintained landscapes, boundaries, utility systems, dams, marinas, interpretive media, and amphitheaters.

Estimated Maintenance Needs

The chart below summarizes the park's outstanding estimated maintenance needs as of the end of FY 2018.

There is also a $4 M annual Routine Maintenance requirement in addition to the costs shown above.

<table>
<thead>
<tr>
<th>Category</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buildings</td>
<td>$41 M for Buildings</td>
</tr>
<tr>
<td>Paved Roads &amp; Structures</td>
<td>$25 M for Paved Roads &amp; Structures</td>
</tr>
<tr>
<td>All Remaining Asset Categories</td>
<td>$37 M for all remaining asset categories</td>
</tr>
</tbody>
</table>

*Paved Roads & Structures includes paved roadways, paved parking areas, and bridges.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replace Maintenance Facilities at McFarland Hill Headquarters</td>
<td>$30,297,000</td>
</tr>
<tr>
<td>NER Contribution to Replace Twelve (12) Year 2006 Propane Buses</td>
<td>$4,098,000</td>
</tr>
<tr>
<td>Mill 2 + Ovly 2nd ACAD-0013 Cadillac Mountain Road</td>
<td>$1,284,000</td>
</tr>
<tr>
<td>Demolish and Replace Waste Water Treatment Plant Facility at Acadia National Park</td>
<td>$757,000</td>
</tr>
<tr>
<td>Rehabilitate Seawall Campground Maintenance Building</td>
<td>$239,000</td>
</tr>
</tbody>
</table>

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **13 Buildings**
- **0 Campgrounds**
- **0 Waste Water Systems**
- **0 Miles of Trails**
- **0 Miles of Unpaved Roads**
- **0 Miles of Paved Roads**
- **0 Housing Units**
- **10 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

1 All Other assets include maintained landscapes, boundaries, and utility systems.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a $120K annual Routine Maintenance requirement in addition to the costs shown above.

Buildings have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$596K for Buildings**
- **$122K for all remaining asset categories**

Driven by maintained landscapes ($122K)

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows an example project in the current funding stream. Not all estimated maintenance needs are captured in the project below.

<table>
<thead>
<tr>
<th>Project in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replace Fire Detection System Devices</td>
<td>$43,000</td>
</tr>
</tbody>
</table>

3 Total need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **2 Buildings**
- **0 Miles of Trails**
- **0 Housing Units**
- **0 Miles of Unpaved Roads**
- **1 Water System**
- **0 Waste Water Systems**
- **0 Miles of Paved Roads**
- **4 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include maintained landscapes, utility systems, and monuments.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need $101 K**
  - Other Facility Maintenance $41 K
  - Capital Improvement $60 K
  - Estimated Maintenance Needs

There is also a **$39 K annual Routine Maintenance** requirement in addition to the costs shown above.

<table>
<thead>
<tr>
<th>Buildings</th>
<th>$60 K for Buildings</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$41 K for all remaining asset categories</td>
</tr>
<tr>
<td></td>
<td>Driven by maintained landscapes ($41 K)</td>
</tr>
</tbody>
</table>

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding

African Burial Ground National Monument does not have any projects in the formulated lists released publicly.  

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3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. This includes projects in the following fund sources: Recreation Fee Revenue (FY 2021 Congressional Justification), Repair/Rehabilitation (FY 2021 – 2025), Line Item Construction (FY 2021 – 2025), and Federal Lands Transportation Program (FY 2020 – 2021).
Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

<table>
<thead>
<tr>
<th>Category</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buildings</td>
<td>12</td>
</tr>
<tr>
<td>Miles of Trails</td>
<td>14</td>
</tr>
<tr>
<td>Housing Unit*</td>
<td>1</td>
</tr>
<tr>
<td>Campgrounds</td>
<td>0</td>
</tr>
<tr>
<td>Miles of Unpaved Roads</td>
<td>0</td>
</tr>
<tr>
<td>Water Systems</td>
<td>0</td>
</tr>
<tr>
<td>Waste Water System</td>
<td>1</td>
</tr>
<tr>
<td>Miles of Paved Roads</td>
<td>1</td>
</tr>
<tr>
<td>All Other Assets†</td>
<td>51</td>
</tr>
</tbody>
</table>

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.
†All Other assets include trail bridges, trail tunnels, maintained landscapes, boundaries, maintained archeological sites, interpretive media, and amphitheaters.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a $728 K annual Routine Maintenance requirement in addition to the costs shown above.

<table>
<thead>
<tr>
<th>Category</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buildings</td>
<td>$3 M</td>
</tr>
<tr>
<td>Paved Roads &amp; Structures</td>
<td>$772 K</td>
</tr>
<tr>
<td>All remaining asset categories</td>
<td>$1 M</td>
</tr>
</tbody>
</table>

*Paved Roads & Structures includes paved roadways and paved parking areas.
Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Allegheny Portage Railroad National Historic Site does not have any projects in the formulated lists released publicly.

3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 This includes projects in the following fund sources: Recreation Fee Revenue (FY 2021 Congressional Justification), Repair/Rehabilitation (FY 2021 – 2025), Line Item Construction (FY 2021 – 2025), and Federal Lands Transportation Program (FY 2020 – 2021).
Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

<table>
<thead>
<tr>
<th>Asset Category</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buildings</td>
<td>623</td>
</tr>
<tr>
<td>&lt; 1 Mile of Trails</td>
<td>4,614</td>
</tr>
<tr>
<td>Waste Water Systems</td>
<td>0</td>
</tr>
<tr>
<td>Campgrounds</td>
<td>13</td>
</tr>
<tr>
<td>Water Systems</td>
<td>4</td>
</tr>
<tr>
<td>Paved Roads</td>
<td>0</td>
</tr>
<tr>
<td>Unpaved Roads</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Housing Units*</td>
<td>0</td>
</tr>
<tr>
<td>All Other Assets†</td>
<td>82</td>
</tr>
</tbody>
</table>

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.
†All Other assets include trail bridges, trail tunnels, maintained landscapes, boundaries, and dams.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a $70 M annual Routine Maintenance requirement in addition to the costs shown above.

There is a total need of $24 M, with $5 M for Other Facility Maintenance and $19 M for Deferred Maintenance.

Trails and Buildings have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- $17 M for Trails
- $6 M for Buildings
- $1 M for all remaining asset categories

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rehabilitate Appalachian Trail Treadway and Privies in the Southern Appalachian Trail Region</td>
<td>$449,000</td>
</tr>
<tr>
<td>Rehabilitate Appalachian Trail Treadway, Privies, and Campsite in New England Region</td>
<td>$405,000</td>
</tr>
<tr>
<td>Rehabilitate Appalachian Trail, Shelter, and Bridge in New England Region</td>
<td>$308,000</td>
</tr>
<tr>
<td>Rehabilitate Four Appalachian Trail Sections in VA with Konnarock Trail Crew</td>
<td>$215,000</td>
</tr>
<tr>
<td>Rehabilitate One Campsite, Two Bridges, &amp; One Parking Area in Mid-Atlantic Appalachian Trail Region</td>
<td>$211,000</td>
</tr>
</tbody>
</table>

3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **36 Buildings**
- **5 Miles of Trails**
- **1 Housing Unit** *
- **0 Campgrounds**
- **3 Miles of Unpaved Roads**
- **0 Water Systems**
- **1 Waste Water System**
- **2 M Miles of Paved Roads**
- **22 All Other Assets** †

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.
†All Other assets include maintained landscapes, utility systems, monuments, maintained archeological sites, and interpretive media.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a **$215 K annual Routine Maintenance** requirement in addition to the costs shown above.

<table>
<thead>
<tr>
<th>Buildings and Paved Roads &amp; Structures ‡</th>
<th>Estimated Maintenance Needs (in $M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>$3 M for Buildings</td>
<td>Total Need $6 M</td>
</tr>
<tr>
<td>$1 M for Paved Roads &amp; Structures</td>
<td>Deferred Maintenance $3 M</td>
</tr>
<tr>
<td>$1 M for all remaining asset categories</td>
<td>Capital Improvement $2 M</td>
</tr>
<tr>
<td></td>
<td>Other Facility Maintenance $679 K</td>
</tr>
</tbody>
</table>

‡Paved Roads & Structures includes paved roadways and paved parking areas.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows an example project in the current funding stream. Not all estimated maintenance needs are captured in the project below.

<table>
<thead>
<tr>
<th>Project in Current Funding Stream</th>
<th>Estimated Project Cost (in $)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reconstruct and Paint Isbell House Fence</td>
<td>$37,000</td>
</tr>
</tbody>
</table>

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastrucure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **81 Buildings**
- **5 Miles of Trails**
- **23 Miles of Unpaved Roads**
- **7 Housing Units**
- **9 Campgrounds**
- **7 Waste Water Systems**
- **11 Miles of Paved Roads**
- **35 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include maintained landscapes, boundaries, utility systems, marinas, and interpretive media.

**Estimated Maintenance Needs**

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need $20 M**
  - Deferred Maintenance $12 M
  - Capital Improvement $2 M
  - Other Facility Maintenance $6 M

There is also a $1 M annual Routine Maintenance requirement in addition to the costs shown above.

**Paved Roads & Structures** and Buildings have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$7 M for Paved Roads & Structures**
- **$6 M for Buildings**
- **$6 M for all remaining asset categories**

**Project Funding**

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replace Timber Approach Guardrails. Repave East</td>
<td>$90,000</td>
</tr>
<tr>
<td>Repair Erosion At Ends Of Northeast And Southwest</td>
<td>$55,000</td>
</tr>
</tbody>
</table>

---

3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Blackstone River Valley National Historical Park Infrastructure Fact Sheet

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

**Infrastructure Inventory**

- **0 Buildings**
- **0 Campgrounds**
- **0 Waste Water Systems**
- **0 Miles of Trails**
- **0 Miles of Unpaved Roads**
- **0 Housing Units**
- **0 Miles of Paved Roads**
- **0 Water Systems**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include maintained landscapes and utility systems.

**Estimated Maintenance Needs**

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a $0 annual Routine Maintenance requirement in addition to the costs shown above.

There are no maintenance needs at the park. This need does not include the cost of Routine Maintenance.

**Project Funding**

Blackstone River Valley National Historical Park does not have any projects in the formulated lists released publicly.

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3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 This includes projects in the following fund sources: Recreation Fee Revenue (FY 2021 Congressional Justification), Repair/Rehabilitation (FY 2021 – 2025), Line Item Construction (FY 2021 – 2025), and Federal Lands Transportation Program (FY 2020 – 2021).
Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **1 Building**
- **8 Miles of Trails**
- **0 Campgrounds**
- **< 1 Mile of Unpaved Roads**
- **0 Waste Water Systems**
- **0 Miles of Paved Roads**
- **0 Housing Units**
- **2 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.
†All Other assets include trail bridges and boundaries.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a $60 K annual Routine Maintenance requirement in addition to the costs shown above.

<table>
<thead>
<tr>
<th>Trails</th>
<th>$27 K for Trails</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$33 K for all remaining asset categories</td>
</tr>
<tr>
<td></td>
<td>Driven by boundaries ($33 K)</td>
</tr>
</tbody>
</table>

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Bluestone National Scenic River does not have any projects in the formulated lists released publicly.

3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 This includes projects in the following fund sources: Recreation Fee Revenue (FY 2021 Congressional Justification), Repair/Rehabilitation (FY 2021 – 2025), Line Item Construction (FY 2021 – 2025), and Federal Lands Transportation Program (FY 2020 – 2021).
Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **17 Buildings**
- **2 Miles of Trails**
- **< 1 Mile of Unpaved Roads**
- **2 Waste Water Systems**
- **1 Mile of Paved Roads**
- **0 Housing Units**
- **2 Water Systems**
- **9 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

† All Other assets include trail bridges, maintained landscapes, utility systems, and monuments.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need $3 M**
  - Capital Improvement $2 M
  - Deferred Maintenance $1 M
  - Other Facility Maintenance $4 M
  - Estimated Maintenance Needs $369 K annual Routine Maintenance requirement in addition to the costs shown above.

<table>
<thead>
<tr>
<th>Buildings and Paved Roads &amp; Structures† have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buildings</td>
</tr>
<tr>
<td>Paved Roads &amp; Structures</td>
</tr>
<tr>
<td>All remaining asset categories</td>
</tr>
</tbody>
</table>

†Paved Roads & Structures includes paved roadways and paved parking areas.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Booker T. Washington National Monument does not have any projects in the formulated lists released publicly.

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3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 This includes projects in the following fund sources: Recreation Fee Revenue (FY 2021 Congressional Justification), Repair/Rehabilitation (FY 2021 – 2025), Line Item Construction (FY 2021 – 2025), and Federal Lands Transportation Program (FY 2020 – 2021).
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **2 Buildings**
- **< 1 Mile of Trails**
- **0 Campgrounds**
- **0 Miles of Unpaved Roads**
- **0 Waste Water Systems**
- **0 Miles of Paved Roads**
- **0 Housing Units**
- **1 All Other Asset**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.
†All Other assets include monuments.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a **$21 K annual Routine Maintenance** requirement in addition to the costs shown above.

Buildings have the highest **estimated maintenance needs** by asset category at the park. The figures below do not include the cost of Routine Maintenance.

<table>
<thead>
<tr>
<th>Buildings</th>
<th>$139 K for Buildings</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Other Asset</td>
<td>$2 M for all remaining asset categories</td>
</tr>
</tbody>
</table>

**Deferred Maintenance $2 M**

**Capital Improvement $29 K**

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows an example project in the current funding stream. Not all estimated maintenance needs are captured in the project below.

<table>
<thead>
<tr>
<th>Project in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abiel Smith School Elevator Replacement</td>
<td>$110,000</td>
</tr>
</tbody>
</table>

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **63 Buildings**
- **23 Miles of Trails**
- **0 Housing Units***
- **3 Campgrounds**
- **0 Miles of Unpaved Roads**
- **3 Water Systems**
- **< 1 Mile of Paved Roads**
- **63 All Other Assets†**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.
†All Other assets include trail bridges, maintained landscapes, utility systems, dams, marinas, monuments, maintained archaeological sites, and fortifications.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a $2 M annual Routine Maintenance requirement in addition to the costs shown above.

Buildings and Trails have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$12 M for Buildings**
- **$1 M for Trails**
- **$35 M for all remaining asset categories**

Driven by marinas ($26 M) and fortifications ($8 M)

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows an example project in the current funding stream. Not all estimated maintenance needs are captured in the project below.

| Project in Current Funding Stream                  | Estimated Project Cost
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Rehabilitate Waterfront Facilities at Thompson Island</td>
<td>$2,983,000</td>
</tr>
</tbody>
</table>

2 Economic Contributions of National Park Visitor Spending - 2019 - [https://www.nps.gov/subjects/socialscience/vse.htm](https://www.nps.gov/subjects/socialscience/vse.htm)
3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
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Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **29 Buildings**
- **11 Housing Units**
- **1 Mile of Trails**
- **0 Miles of Unpaved Roads**
- **1 Water System**
- **14 All Other Assets**
- **1 Mile of Paved Roads**
- **1 Water System**
- **11 Housing Units**
- **0 Campgrounds**
- **1 Waste Water System**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

1 All Other assets include maintained landscapes, boundaries, utility systems, constructed waterways, marinas, ships, and monuments.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need $119 M**
- **Deferred Maintenance $98 M**
- **Capital Improvement $15 M**
- **Other Facility Maintenance $6 M**

There is also a $1 M annual Routine Maintenance requirement in addition to the costs shown above.

Buildings and Housing have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$79 M for Buildings**
- **$9 M for Housing**
- **$32 M for all remaining asset categories**

Driven by marinas ($14 M) and maintained landscapes ($6 M)

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rehabilitate Dorchester Heights Hardscapes for Accessibilty and Eliminate Hazards</td>
<td>$8,242,000</td>
</tr>
<tr>
<td>Repair and Replace Storm Drain System at Charlestown Navy Yard</td>
<td>$4,339,000</td>
</tr>
<tr>
<td>Replace Boiler in Building 107</td>
<td>$945,000</td>
</tr>
<tr>
<td>Repoint and Rehabilitate North, South, and West Façades of Building 107</td>
<td>$938,000</td>
</tr>
<tr>
<td>Complete Rehabilitation, Quarters F (Building 265)</td>
<td>$871,000</td>
</tr>
</tbody>
</table>

3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
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Cape Cod National Seashore
Infrastructure Fact Sheet

Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **191 Buildings**
- **28 Miles of Trails**
- **70 Housing Units**
- **1 Campground**
- **< 1 Mile of Unpaved Roads**
- **11 Water Systems**
- **9 Waste Water Systems**
- **16 Miles of Paved Roads**
- **73 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.
†All Other assets include maintained landscapes, utility systems, dams, monuments, maintained archeological sites, interpretive media, and amphitheaters.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Deferred Maintenance $49 M**
- **Capital Improvement $3 M**
- **Other Facility Maintenance $3 M**

There is also a $2 M annual Routine Maintenance requirement in addition to the costs shown above.

Paved Roads & Structures and Buildings have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$32 M for Paved Roads & Structures**
- **$12 M for Buildings**
- **$12 M for all remaining asset categories**

Driven by trails ($4 M) and maintained landscapes ($3 M)

Project Funding
Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replace HVAC System at Park Administration and Operational Buildings Parkwide</td>
<td>$1,537,000</td>
</tr>
<tr>
<td>Replace Over 1,700 Deteriorated and Missing Park Regulatory and Informational Signs Per Sign Plan</td>
<td>$1,176,000</td>
</tr>
<tr>
<td>Maintenance Area Reorganization, Upgrade and Efficiency Improvements</td>
<td>$945,000</td>
</tr>
<tr>
<td>Pulverize + Ovly 3&quot; CACO-0919 Salt Pond Visitor Center Parking</td>
<td>$577,000</td>
</tr>
<tr>
<td>Rehabilitate Interior of Residential Education Center</td>
<td>$461,000</td>
</tr>
</tbody>
</table>

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
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EXPERIENCE YOUR AMERICA™
The National Park Service cares for special places saved by the American people so that all may experience our heritage.
Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **3 Buildings**
- **0 Camp-grounds**
- **0 Waste Water Systems**
- **0 Miles of Trails**
- **0 Miles of Unpaved Roads**
- **0 Housing Units**
- **0 Water Systems**
- **0 Miles of Paved Roads**
- **2 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include maintained landscapes and fortifications.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need $5 M**
- **Deferred Maintenance $5 M**
- **Other Facility Maintenance $186 K**

There is also a **$20 K annual Routine Maintenance** requirement in addition to the costs shown above.

Buildings have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$73 K for Buildings**
- **$5 M for all remaining asset categories**

Driven by fortifications ($4 M) and maintained landscapes ($311 K)

*Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.*

Project Funding
Castle Clinton National Monument does not have any projects in the formulated lists released publicly.

---

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. This includes projects in the following fund sources: Recreation Fee Revenue (FY 2021 Congressional Justification), Repair/Rehabilitation (FY 2021 – 2025), Line Item Construction (FY 2021 – 2025), and Federal Lands Transportation Program (FY 2020 – 2021).
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **10 Buildings**
- **0 Campgrounds**
- **0 Waste Water Systems**
- **0 Miles of Trails**
- **0 Miles of Unpaved Roads**
- **0 Miles of Paved Roads**
- **0 Housing Units**
- **0 Water Systems**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include maintained landscapes, monuments, and interpretive media.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **$1 M** Annual Routine Maintenance
- **$428 K** for all remaining asset categories

There is also a $43 K annual Routine Maintenance requirement in addition to the costs shown above.

Buildings have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$1 M** for Buildings
- **$428 K** for all remaining asset categories

Driven by maintained landscapes ($428 K)

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding

Cedar Creek & Belle Grove National Historical Park does not have any projects in the formulated lists released publicly.

---

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. This includes projects in the following fund sources: Recreation Fee Revenue (FY 2021 Congressional Justification), Repair/Rehabilitation (FY 2021 – 2025), Line Item Construction (FY 2021 – 2025), and Federal Lands Transportation Program (FY 2020 – 2021).
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **65 Buildings**
- **0 M Miles of Trails**
- **0 Campgrounds**
- **7 M Miles of Unpaved Roads**
- **1 Waste Water System**
- **44 M Miles of Paved Roads**
- **106 All Other Assets†**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include trail bridges, maintained landscapes, utility systems, dams, marinas, monuments, maintained archeological sites, fortifications, and interpretive media.

Paved Roads & Structures and Buildings have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

<table>
<thead>
<tr>
<th>Paved Roads &amp; Structures</th>
<th>Buildings</th>
<th>All Remaining Asset Categories</th>
</tr>
</thead>
<tbody>
<tr>
<td>$376 M</td>
<td>$13 M</td>
<td>$46 M</td>
</tr>
</tbody>
</table>

*Paved Roads & Structures includes paved roadways, paved parking areas, bridges, and tunnels.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

<table>
<thead>
<tr>
<th>Total Need $436 M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deferred Maintenance $434 M</td>
</tr>
<tr>
<td>Capital Improvement $768 K</td>
</tr>
<tr>
<td>Other Facility Maintenance $1 M</td>
</tr>
</tbody>
</table>

There is also a $2 M annual Routine Maintenance requirement in addition to the costs shown above.

Project Funding

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Estimated Project Cost $</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colonial Parkway Slab Replacement</td>
<td>$30,000,000</td>
</tr>
<tr>
<td>Repair Jones Mill Pond Dam</td>
<td>$7,274,000</td>
</tr>
<tr>
<td>Repair, Rehab and Protect Historic Dudley Digges House</td>
<td>$536,000</td>
</tr>
<tr>
<td>Waterproof Basements Nelson, Edmund Smith And Ballard Houses And Yorktown National Cemetery Lodge</td>
<td>$340,000</td>
</tr>
<tr>
<td>Rehabilitate Windows and Siding Ballard House</td>
<td>$196,000</td>
</tr>
</tbody>
</table>

3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
**Infrastructure Inventory**

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **513 Buildings**
- **162 Miles of Trails**
- **66 Miles of Unpaved Roads**
- **21 Campgrounds**
- **16 Waste Water Systems**
- **9 Housing Units**
- **162 Miles of Trails**
- **84 Miles of Paved Roads**
- **26 Water Systems**
- **333 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include trail bridges, maintained landscapes, utility systems, dams, marinas, maintained archeological sites, and interpretive media.

**Estimated Maintenance Needs**

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a **$6 M annual Routine Maintenance requirement in addition to the costs shown above.**

**Paved Roads & Structures** and **Buildings** have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$84 M for Paved Roads & Structures**
- **$59 M for Buildings**
- **$17 M for all remaining asset categories**

**Project Funding**

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pulverize + Ovly 3&quot; DEWA-0010 Old Mine Road (South) MP 3-5.92</td>
<td>$2,214,000</td>
</tr>
<tr>
<td>Mill 2 + Ovly 2&quot; DEWA-0113 NPS 615</td>
<td>$1,942,000</td>
</tr>
<tr>
<td>Riley/Quinn Facility Storm Damage Repairs -Childs Park Trails/Boardwalk/Stairs</td>
<td>$1,645,000</td>
</tr>
<tr>
<td>Replace Main Campus Wastewater System at Cliff Park</td>
<td>$770,000</td>
</tr>
<tr>
<td>Repair Civilian Conservation Corps Structures in Childs Park</td>
<td>$391,000</td>
</tr>
</tbody>
</table>

1 Delaware National Scenic River is included as it is co-managed with Delaware Water Gap National Recreation Area.


3 Economic Contributions of National Park Visitor Spending - 2019 - [https://www.nps.gov/subjects/socialscience/vse.htm](https://www.nps.gov/subjects/socialscience/vse.htm)

4 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.

5 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.

6 Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

![Diagram of infrastructure inventory]

<table>
<thead>
<tr>
<th>Category</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buildings</td>
<td>3</td>
</tr>
<tr>
<td>Campgrounds</td>
<td>0</td>
</tr>
<tr>
<td>Waste Water Systems</td>
<td>0</td>
</tr>
<tr>
<td>Trails</td>
<td>&lt; 1 Mile</td>
</tr>
<tr>
<td>Unpaved Roads</td>
<td>0 Miles</td>
</tr>
<tr>
<td>Paved Roads</td>
<td>0 Miles</td>
</tr>
<tr>
<td>Housing Unit*</td>
<td>1</td>
</tr>
<tr>
<td>Other Asset†</td>
<td></td>
</tr>
</tbody>
</table>

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.
†All Other assets include maintained landscapes.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

![Diagram of estimated maintenance needs]

<table>
<thead>
<tr>
<th>Category</th>
<th>Need</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buildings</td>
<td>$156 K</td>
</tr>
<tr>
<td>All Other Asset†</td>
<td></td>
</tr>
</tbody>
</table>

There is also a $25 K annual Routine Maintenance requirement in addition to the costs shown above.

Buildings have the highest estimated maintenance needs by asset category at the park. The figure below does not include the cost of Routine Maintenance.

**$156 K for Buildings**

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Deshler Morris House National Historic Site does not have any projects in the formulated lists released publicly.

---

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
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Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **1 Building**
- **< 1 Mile of Trails**
- **1 Housing Unit**
- **0 Campgrounds**
- **0 Miles of Unpaved Roads**
- **0 Water Systems**
- **0 Miles of Paved Roads**
- **2 All Other Assets**

---

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

1 Building

0 Campgrounds

0 Water Systems

< 1 Mile of Trails

0 Miles of Unpaved Roads

0 Miles of Paved Roads

1 Housing Unit

2 All Other Assets

---

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

1All Other assets include maintained landscapes and monuments.

---

Buildings have the highest estimated maintenance needs by asset category at the park. The figure below does not include the cost of Routine Maintenance.

<table>
<thead>
<tr>
<th>Buildings</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Install Fire Suppression System and Replace Fire Detection System in the Poe House</td>
<td>$446,000</td>
</tr>
<tr>
<td>Replace Existing Intrusion System at Poe House</td>
<td>$206,000</td>
</tr>
</tbody>
</table>

---

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

---

Project Funding

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

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<thead>
<tr>
<th>Projects in Current Funding Stream</th>
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</tr>
<tr>
<td>Replace Existing Intrusion System at Poe House</td>
<td>$206,000</td>
</tr>
</tbody>
</table>

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3 Total need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.

4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.

5 Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **45 Buildings**
- **< 1 Mile of Trails**
- **2 Housing Units**
- **0 Campgrounds**
- **1 Mile of Unpaved Roads**
- **0 Water Systems**
- **0 Waste Water Systems**
- **1 Mile of Paved Roads**
- **9 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

All Other assets include maintained landscapes and interpretive media.

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Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need**: $5 M
- **Deferred Maintenance**: $5 M
- **Capital Improvement**: $61 K
- **Other Facility Maintenance**: $125 K

There is also a $128 K annual Routine Maintenance requirement in addition to the costs shown above.

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Project Funding
Eisenhower National Historic Site does not have any projects in the formulated lists released publicly.

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3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. This includes projects in the following fund sources: Recreation Fee Revenue (FY 2021 Congressional Justification), Repair/Rehabilitation (FY 2021 – 2025), Line Item Construction (FY 2021 – 2025), and Federal Lands Transportation Program (FY 2020 – 2021).
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

<table>
<thead>
<tr>
<th>Asset Category</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buildings</td>
<td>8</td>
</tr>
<tr>
<td>Campgrounds</td>
<td>0</td>
</tr>
<tr>
<td>Waste Water System</td>
<td>1</td>
</tr>
<tr>
<td>Trails</td>
<td>2</td>
</tr>
<tr>
<td>Unpaved Roads</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Water System</td>
<td>1</td>
</tr>
<tr>
<td>All Other Assets†</td>
<td>5</td>
</tr>
</tbody>
</table>

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.
†All Other assets include maintained landscapes, utility systems, and dams.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a $103 K annual Routine Maintenance requirement in addition to the costs shown above.

Buildings and Unpaved Roads have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

<table>
<thead>
<tr>
<th>Asset Category</th>
<th>Estimated Maintenance Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buildings</td>
<td>$1 M</td>
</tr>
<tr>
<td>Unpaved Roads</td>
<td>$459 K</td>
</tr>
<tr>
<td>All remaining asset categories</td>
<td>$5 M</td>
</tr>
</tbody>
</table>

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replace Outdated Intrusion Detection System</td>
<td>$131,000</td>
</tr>
<tr>
<td>Exterior Repairs to Playhouse</td>
<td>$16,000</td>
</tr>
</tbody>
</table>

3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Federal Hall National Memorial
Infrastructure Fact Sheet

265 Thousand Annual Visitors
$22 Million in Economic Output

Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **1 Building**
- **0 Miles of Trails**
- **0 Housing Units**
- **0 Campgrounds**
- **0 Miles of Unpaved Roads**
- **0 Water Systems**
- **0 Waste Water Systems**
- **0 Miles of Paved Roads**
- **1 All Other Asset**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.
†All Other assets include monuments.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need $33 M**
  - **Capital Improvement $30 M**
  - **Other Facility Maintenance $62 K**
  - **Deferred Maintenance $3 M**

There is also a $49 K annual Routine Maintenance requirement in addition to the costs shown above.

Buildings have the highest estimated maintenance needs by asset category at the park. The figure below does not include the cost of Routine Maintenance.

**$33 M for Buildings**

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Federal Hall National Memorial does not have any projects in the formulated lists released publicly.

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1. Note that Stonewall National Monument visitor statistics and economic benefits are not included with Federal Hall National Memorial.
4. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
5. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
6. This includes projects in the following fund sources: Recreation Fee Revenue (FY 2021 Congressional Justification), Repair/Rehabilitation (FY 2021 – 2025), Line Item Construction (FY 2021 – 2025), and Federal Lands Transportation Program (FY 2020 – 2021).
Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **80 Buildings**
- **17 Miles of Trails**
- **21 Housing Units**
- **9 Miles of Unpaved Roads**
- **6 Water Systems**
- **8 Waste Water Systems**
- **1 Mile of Paved Roads**
- **17 Miles of Trails**
- **9 Miles of Unpaved Roads**
- **6 Water Systems**
- **8 Waste Water Systems**
- **1 Mile of Paved Roads**
- **38 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

All Other assets include maintained landscapes, utility systems, constructed waterways, marinas, and monuments.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

![Chart showing estimated maintenance needs]

There is also a $733 K annual Routine Maintenance requirement in addition to the costs shown above.

**Trails and Buildings** have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$14 M for Trails**
- **$11 M for Buildings**
- **$19 M for all remaining asset categories**

Driven by constructed waterways ($6 M) and marinas ($5 M)

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rehabilitate Pavers and Bricks on Lighthouse Terrace</td>
<td>$607,000</td>
</tr>
<tr>
<td>Dredge Barrett Beach Marina for Public Use and Safety</td>
<td>$583,000</td>
</tr>
<tr>
<td>Repair and Paint Windows and Siding on Historic Old Mastic House</td>
<td>$558,000</td>
</tr>
<tr>
<td>Fire Island Lighthouse Exterior Coating Partial Demolition and Stabilization</td>
<td>$550,000</td>
</tr>
<tr>
<td>Repair Smith Point Wilderness Visitor Center Complex</td>
<td>$502,000</td>
</tr>
</tbody>
</table>

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **35 Buildings**
- **0 Miles of Trails**
- **0 Housing Units**
- **0 Miles of Unpaved Roads**
- **0 Water Systems**
- **0 Waste Water Systems**
- **0 Campgrounds**
- **0 Miles of Paved Roads**
- **1 All Other Asset**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include maintained landscapes.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need** $2 M
- **Deferred Maintenance** $1 M
- **Capital Improvement** $801 K
- **Other Facility Maintenance** $9 K

There is also a **$35 K annual Routine Maintenance** requirement in addition to the costs shown above.

Buildings have the highest estimated maintenance needs by asset category at the park. The figure below does not include the cost of Routine Maintenance.

$2 M for Buildings

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rehabilitate Historic Sheriff’s House in New Castle</td>
<td>$7,871,000</td>
</tr>
<tr>
<td>Replace Failing Traffic and Pedestrian Bollard and Cable Barriers</td>
<td>$28,000</td>
</tr>
</tbody>
</table>

---

3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **16 Buildings**
- **2 Miles of Trails**
- **1 Housing Unit***
- **< 1 Mile of Unpaved Roads**
- **2 Water Systems**
- **10 Miles of Paved Roads**
- **14 All Other Assets†**
- **2 Waste Water Systems**
- **0 Campgrounds**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include trail bridges, maintained landscapes, boundaries, utility systems, constructed waterways, and monuments.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a **$495 K annual Routine Maintenance** requirement in addition to the costs shown above.

BUILDINGS and PAVED ROADS & STRUCTURES† have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$7 M for Buildings**
- **$2 M for Paved Roads & Structures**
- **$4 M for all remaining asset categories**

†Paved Roads & Structures includes paved roadways and paved parking areas.

*Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.*

Project Funding

Flight 93 National Memorial does not have any projects in the formulated lists released publicly.⁵

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³ Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
⁴ Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
⁵ This includes projects in the following fund sources: Recreation Fee Revenue (FY 2021 Congressional Justification), Repair/Rehabilitation (FY 2021 – 2025), Line Item Construction (FY 2021 – 2025), and Federal Lands Transportation Program (FY 2020 – 2021).
Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **10 Buildings**
- **< 1 Mile of Trails**
- **< 1 Mile of Unpaved Roads**
- **0 Campgrounds**
- **0 Waste Water Systems**
- **1 Mile of Paved Roads**
- **26 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include maintained landscapes, boundaries, marinas, monuments, fortifications, and interpretive media.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need** $6 M
  - Deferred Maintenance $5 M
  - Capital Improvement $321 K
  - Other Facility Maintenance $530 K

There is also a $306 K annual Routine Maintenance requirement in addition to the costs shown above.

<table>
<thead>
<tr>
<th>Buildings and Paved Roads &amp; Structures‡</th>
<th>$2 M for Buildings</th>
<th>$1 M for Paved Roads &amp; Structures</th>
<th>$3 M for all remaining asset categories</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Driven by fortifications ($1 M) and maintained landscapes ($652 K)</td>
</tr>
</tbody>
</table>

‡Paved Roads & Structures includes paved roadways and paved parking areas.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows an example project in the current funding stream. Not all estimated maintenance needs are captured in the project below.

<table>
<thead>
<tr>
<th>Project in Current Funding Stream</th>
<th>Estimated Project Cost‡</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reccoat Visitor Center Membrane Roof</td>
<td>$130,000</td>
</tr>
</tbody>
</table>

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **4 Buildings**
- **< 1 Mile of Trails**
- **0 Housing Units**
- **0 Campgrounds**
- **0 Miles of Unpaved Roads**
- **0 Water Systems**
- **< 1 Mile of Paved Roads**
- **10 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include maintained landscapes, utility systems, and fortifications.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a $99 K annual Routine Maintenance requirement in addition to the costs shown above.

Buildings and Trails have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$1 M for Buildings**
- **$40 K for Trails**
- **$1 M for all remaining asset categories**

Driven by fortifications ($1 M) and maintained landscapes ($327 K)

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Fort Monroe National Monument does not have any projects in the formulated lists released publicly.

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3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 This includes projects in the following fund sources: Recreation Fee Revenue (FY 2021 Congressional Justification), Repair/Rehabilitation (FY 2021 – 2025), Line Item Construction (FY 2021 – 2025), and Federal Lands Transportation Program (FY 2020 – 2021).
Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **19 Buildings**
- **10 Miles of Trails**
- **1 Housing Unit**
- **2 Miles of Unpaved Roads**
- **1 Water System**
- **25 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected. All Other assets include maintained landscapes, utility systems, dams, monuments, fortifications, and amphitheaters.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need $7 M**
- **Deferred Maintenance $6 M**
- **Capital Improvement $786 K**
- **Other Facility Maintenance $111 K**

There is also a **$222 K annual Routine Maintenance** requirement in addition to the costs shown above.

Paved Roads & Structures and Buildings have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$3 M for Paved Roads & Structures**
- **$2 M for Buildings**
- **$2 M for all remaining asset categories**

Driven by maintained landscapes ($1 M) and housing ($240 K)

Paved Roads & Structures includes paved roadways, paved parking areas, and bridges.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replace Oil Boilers at Visitor Center at Fort Necessity National Battlefield</td>
<td>$463,000</td>
</tr>
<tr>
<td>Rehabilitate Maintenance Building Roof to Eliminate Leaks</td>
<td>$76,000</td>
</tr>
<tr>
<td>Rehabilitate Great Meadows Center to Correct Accessibility Deficiencies</td>
<td>$68,000</td>
</tr>
<tr>
<td>Repair Overflow Drain Into Dam/Pond #3</td>
<td>$66,000</td>
</tr>
</tbody>
</table>

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
**Infrastructure Inventory**

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **14 Buildings**
- **< 1 Mile of Trails**
- **0 Housing Units**
- **0 Campgrounds**
- **0 Miles of Unpaved Roads**
- **1 Water System**
- **0 Waste Water Systems**
- **0 Miles of Paved Roads**
- **27 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

† All Other assets include trail bridges, maintained landscapes, utility systems, monuments, maintained archeological sites, fortifications, and interpretive media.

**Estimated Maintenance Needs**

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need $2 M**
  - **Deferred Maintenance $1 M**
  - **Other Facility Maintenance $527 K**
  - **Capital Improvement $590 K**

There is also a **$142 K annual Routine Maintenance** requirement in addition to the costs shown above.

**Buildings and Paved Roads & Structures** have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$1 M for Buildings**
- **$24 K for Paved Roads & Structures**
- **$801 K for all remaining asset categories**

Driven by fortifications ($652 K) and electrical systems ($110 K)

†Paved Roads & Structures includes bridges.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

**Project Funding**

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replace Weil-McLain Natural Gas Boiler System</td>
<td>$400,000</td>
</tr>
<tr>
<td>Replace Fire Alarm Systems at the Fort and Maintenance Facilities</td>
<td>$270,000</td>
</tr>
</tbody>
</table>

---

3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **5 Buildings**
- **0 Miles of Trails**
- **0 Housing Units**
- **0 Miles of Unpaved Roads**
- **0 Water Systems**
- **0 Miles of Paved Roads**
- **1 All Other Asset**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include maintained landscapes.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a **$40 K annual Routine Maintenance** requirement in addition to the costs shown above.

Buildings have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

<table>
<thead>
<tr>
<th>Buildings</th>
<th>$5 M for Buildings</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Other Asset</td>
<td>$1 M for all remaining asset categories</td>
</tr>
<tr>
<td>Driven by maintained landscapes ($1 M)</td>
<td></td>
</tr>
</tbody>
</table>

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows an example project in the current funding stream. Not all estimated maintenance needs are captured in the project below.

<table>
<thead>
<tr>
<th>Project in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rehabilitate Federick Law Olmsted National Historic Site Grotto</td>
<td>$217,000</td>
</tr>
</tbody>
</table>

---

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **60 Buildings**
- **22 Miles of Trails**
- **8 Housing Units* **
- **5 Miles of Unpaved Roads**
- **1 Waste Water System**
- **23 Miles of Paved Roads**
- **127 All Other Assets†**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.
†All Other assets include maintained landscapes, utility systems, monuments, maintained archeological sites, fortifications, and interpretive media.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a $1 M annual Routine Maintenance requirement in addition to the costs shown above.

### Paved Roads & Structures and Buildings

- **$11 M for Paved Roads & Structures**
- **$4 M for Buildings**

$3 M for all remaining asset categories
Driven by maintained landscapes ($2 M) and housing ($527 K)

Paved Roads & Structures includes paved roadways, paved parking areas, and bridges.

**Note:** Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rehabilitate Historic Chatham Manor</td>
<td>$659,000</td>
</tr>
<tr>
<td>Rehabilitate Jackson Trail West, Sunken, and Ellwood Entrance Gravel Roads</td>
<td>$443,000</td>
</tr>
<tr>
<td>Remove Lead Paint from Chatham Stables and Laundry Buildings</td>
<td>$163,000</td>
</tr>
<tr>
<td>Repair Brick Walks at Chatham Manor Visitor Center</td>
<td>$96,000</td>
</tr>
<tr>
<td>Repair Bank Erosion With Engineered Riprap Scott’s Run</td>
<td>$90,000</td>
</tr>
</tbody>
</table>

3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **7 Buildings**
- **9 Miles of Trails**
- **2 Miles of Unpaved Roads**
- **1 Housing Unit**
- **0 Campgrounds**
- **< 1 Mile of Paved Roads**
- **1 Waste Water System**
- **20 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

1All Other assets include maintained landscapes, boundaries, utility systems, dams, monuments, and maintained archeological sites.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

![Diagram showing estimated maintenance needs]

There is also a **$285 K annual Routine Maintenance** requirement in addition to the costs shown above.

Buildings and Paved Roads & Structures have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

<table>
<thead>
<tr>
<th>Buildings</th>
<th>Paved Roads &amp; Structures</th>
<th>All Remaining Asset Categories</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1 M</td>
<td>$417 K</td>
<td>$2 M</td>
</tr>
</tbody>
</table>

*Paved Roads & Structures includes paved roadways and paved parking areas.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replace Chiller Plant and HVAC Control System for Gallatin House</td>
<td>$1,276,000</td>
</tr>
<tr>
<td>Pulverize + Ovly 3&quot; FRHI-0010 Entrance Road</td>
<td>$236,000</td>
</tr>
<tr>
<td>Replace Sidewalk and Trail Surfaces to Comply to Accessibility Code</td>
<td>$59,000</td>
</tr>
<tr>
<td>Construct Accessible Route to Enter Gallatin House</td>
<td>$41,000</td>
</tr>
</tbody>
</table>

3Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
The National Park Service cares for special places saved by the American people so that all may experience our heritage.

### Gateway National Recreation Area Infrastructure Fact Sheet

**9.4 Million Annual Visitors**

**$288 Million in Economic Output**

### Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

<table>
<thead>
<tr>
<th>Asset Category</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buildings</td>
<td>515</td>
</tr>
<tr>
<td>3 Campgrounds</td>
<td></td>
</tr>
<tr>
<td>14 Waste Water Systems</td>
<td></td>
</tr>
<tr>
<td>46 Miles of Trails</td>
<td></td>
</tr>
<tr>
<td>15 Miles of Unpaved Roads</td>
<td></td>
</tr>
<tr>
<td>110 Housing Units*</td>
<td></td>
</tr>
<tr>
<td>14 Water Systems</td>
<td></td>
</tr>
<tr>
<td>51 Miles of Paved Roads</td>
<td></td>
</tr>
<tr>
<td>182 All Other Assets†</td>
<td></td>
</tr>
</tbody>
</table>

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.
†All Other assets include trail bridges, trail tunnels, maintained landscapes, utility systems, dams, marinas, aviation systems, railroad systems, monuments, maintained archeological sites, fortifications, and towers.

### Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a **$11 M annual Routine Maintenance** requirement in addition to the costs shown above.

<table>
<thead>
<tr>
<th>Maintenance Need</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deferred Maintenance</td>
<td>$774 M</td>
</tr>
<tr>
<td>Capital Improvement</td>
<td>$45 M</td>
</tr>
<tr>
<td>Other Facility Maintenance</td>
<td>$193 M</td>
</tr>
<tr>
<td>Total Need</td>
<td>$1,013 M</td>
</tr>
</tbody>
</table>

### Paved Roads & Structures and Buildings

- **$453 M for Paved Roads & Structures**
- **$304 M for Buildings**
- **$257 M for all remaining asset categories**

Driven by marinas ($62 M) and electrical systems ($40 M)

*Paved Roads & Structures includes paved roadways and paved parking areas.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

### Project Funding

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replace Officers Row Seawall at Sandy Hook</td>
<td>$15,816,000</td>
</tr>
<tr>
<td>Repair Jacob Riis Seawall on Beach Channel Drive</td>
<td>$13,819,000</td>
</tr>
<tr>
<td>Repair Marina Bulkhead at Great Kills Park</td>
<td>$1,604,000</td>
</tr>
<tr>
<td>Mill 2 + Ovly 2” GATE-0993 South Beach Area “E”</td>
<td>$1,477,000</td>
</tr>
<tr>
<td>Repair Roof, Brickwork,Lintels &amp; Windows at Park Headquarters, Building 210</td>
<td>$1,389,000</td>
</tr>
</tbody>
</table>

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
**Infrastructure Inventory**

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **9 Buildings**
- **14 Miles of Trails**
- **3 Miles of Unpaved Roads**
- **1 Campground**
- **1 Waste Water System**
- **0 Housing Units**
- **0 Water Systems**
- **1 Mile of Paved Roads**
- **10 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include trail bridges, trail tunnels, maintained landscapes, boundaries, and marinas.

**Estimated Maintenance Needs**

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a $190 K annual Routine Maintenance requirement in addition to the costs shown above.

**Unpaved Roads and Paved Roads & Structures** have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$719 K for Unpaved Roads**
- **$715 K for Paved Roads & Structures**
- **$2 M for all remaining asset categories**

Driven by trail tunnels ($1 M) and trails ($310 K)

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rehabilitate Gauley Tailwaters Campground</td>
<td>$194,000</td>
</tr>
<tr>
<td>Upgrade Wastewater System for Current and Future Needs</td>
<td>$80,000</td>
</tr>
</tbody>
</table>

---

3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **2 Buildings**
- **0 Miles of Trails**
- **0 Housing Units**
- **0 Miles of Unpaved Roads**
- **0 Water Systems**
- **0 Miles of Paved Roads**
- **1 All Other Asset**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include maintained landscapes.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need $6 M**
  - Deferred Maintenance $5 M
  - Other Facility Maintenance $442 K

There is also a $20 K annual Routine Maintenance requirement in addition to the costs shown above.

Project Funding

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Repair Plaza Area at General Grant National Monument</td>
<td>$758,000</td>
</tr>
<tr>
<td>Paint and Repair General Grant Memorial Dome and Supporting Columns</td>
<td>$250,000</td>
</tr>
<tr>
<td>Replace sidewalk at General Grants Overlook</td>
<td>$180,000</td>
</tr>
<tr>
<td>Replace Roof Membrane at General Grant Memorial</td>
<td>$103,000</td>
</tr>
</tbody>
</table>

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.
Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **26 Buildings**
- **4 Miles of Trails**
- **3 Housing Units***
- **0 Campgrounds**
- **3 Miles of Unpaved Roads**
- **2 Water Systems**
- **1 Waste Water System**
- **3 Miles of Paved Roads**
- **18 All Other Assets†**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include maintained landscapes, utility systems, dams, monuments, and interpretive media.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need $3 M**
- **Deferred Maintenance $2 M**
- **Capital Improvement $684 K**
- **Other Facility Maintenance $384 K**

There is also a $460 K annual Routine Maintenance requirement in addition to the costs shown above.

Buildings and Housing have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$2 M for Buildings**
- **$218 K for Housing**
- **$606 K for all remaining asset categories**

Driven by maintained landscapes ($261 K) and paved roads ($153 K)

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rehabilitate Historic Log House at George Washington National Monument</td>
<td>$468,000</td>
</tr>
<tr>
<td>Replacement and Installation of Generators and Concrete Pads</td>
<td>$91,000</td>
</tr>
<tr>
<td>Replace and Install New Septic System</td>
<td>$10,000</td>
</tr>
</tbody>
</table>

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **114 Buildings**
- **13 Miles of Trails**
- **17 Housing Units***
- **0 Campgrounds**
- **3 Miles of Unpaved Roads**
- **1 Water System**
- **0 Waste Water Systems**
- **29 Miles of Paved Roads**
- **21 All Other Assets†**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include maintained landscapes, utility systems, monuments, maintained archeological sites, and amphitheaters.

Estimated Maintenance Needs³
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a $2 M annual Routine Maintenance requirement in addition to the costs shown above.

Paved Roads & Structures¹ and Water Systems have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$24 M for Paved Roads & Structures**
- **$8 M for Water Systems**
- **$74 M for all remaining asset categories**

¹Paved Roads & Structures includes paved roadways, paved parking areas, and bridges.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rehabilitate the Historic Josiah Benner House</td>
<td>$861,000</td>
</tr>
<tr>
<td>Rehabilitate Existing Stone Walls In the Pickett’s Charge and Little Round Top Cultural Landscape</td>
<td>$708,000</td>
</tr>
<tr>
<td>Replace Tank Fire Suppression System with Dry Pipe Fire Suppression System</td>
<td>$399,000</td>
</tr>
<tr>
<td>Rehabilitate Pasture Fences- Culp Farm</td>
<td>$337,000</td>
</tr>
<tr>
<td>Rehabilitate Hummelbaugh House</td>
<td>$288,000</td>
</tr>
</tbody>
</table>


³ Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.

⁴ Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.

⁵ Cost estimates for projects are dependent on the current phase and size of each project’s scopes and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
**Infrastructure Inventory**

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **0 Buildings**
- **0 Camp-grounds**
- **0 Waste Water Systems**
- **< 1 Mile of Trails**
- **< 0 Miles of Unpaved Roads**
- **0 Housing Units**
- **0 Water Systems**
- **0 Miles of Paved Roads**
- **1 All Other Asset**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include maintained landscapes.

**Estimated Maintenance Needs**

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Deferred Maintenance $462 K**

There is also a **$90 K annual Routine Maintenance** requirement in addition to the costs shown above.

**Trails** have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$368 K for Trails**
- **$95 K for all remaining asset categories**

Driven by maintained landscapes ($95 K)

*Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.*

**Project Funding**

Gloria Dei Church National Historic Site does not have any projects in the formulated lists released publicly.  

---

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. This includes projects in the following fund sources: Recreation Fee Revenue (FY 2021 Congressional Justification), Repair/Rehabilitation (FY 2021 – 2025), Line Item Construction (FY 2021 – 2025), and Federal Lands Transportation Program (FY 2020 – 2021).
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **22 Buildings**
- **0 Campgrounds**
- **0 Water Systems**
- **0 Miles of Trails**
- **0 Miles of Unpaved Roads**
- **< 1 Mile of Paved Roads**
- **0 Housing Units**
- **8 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

† All Other assets include maintained landscapes, marinas, monuments, and fortifications.

## Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need** $38 M
- **Deferred Maintenance** $31 M
- **Capital Improvement** $3 M
- **Other Facility Maintenance** $5 M
- **Routine Maintenance** $275 K

There is also a $275 K annual Routine Maintenance requirement in addition to the costs shown above.

## Buildings and Paved Roads & Structures

Buildings and Paved Roads & Structures have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$31 M for Buildings**
- **$1 M for Paved Roads & Structures**
- **$7 M for all remaining asset categories**

Driven by monuments ($4 M) and fortifications ($2 M)

† Paved Roads & Structures includes paved roadways, paved parking areas, and bridges.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

## Project Funding

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upgrade Headquarters Building HVAC System</td>
<td>$911,000</td>
</tr>
<tr>
<td>Repair and Preserve Fort Jay Gate</td>
<td>$708,000</td>
</tr>
<tr>
<td>Rehabilitate Plumbing Systems at Historic Fort Jay Barracks 214, 202, 210 &amp; 206</td>
<td>$696,000</td>
</tr>
<tr>
<td>Rehabilitate Fort Jay Barracks Railings</td>
<td>$639,000</td>
</tr>
<tr>
<td>Replace Windows at Headquarters Facility</td>
<td>$625,000</td>
</tr>
</tbody>
</table>

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

**1 Building**

**0 Miles of Trails**

**0 Housing Units***

**0 Campgrounds**

**0 Miles of Unpaved Roads**

**0 Water Systems**

**0 Waste Water Systems**

**0 Miles of Paved Roads**

**3 All Other Assets**†

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.
†All Other assets include maintained landscapes and monuments.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

**Total Need $378 K**

Deferred Maintenance $370 K

Other Facility Maintenance $8 K

There is also a $8 K annual Routine Maintenance requirement in addition to the costs shown above.

Buildings have the highest estimated maintenance needs by asset category at the park. The figure below does not include the cost of Routine Maintenance.

**$378 K for Buildings**

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding

Hamilton Grange National Memorial does not have any projects in the formulated lists released publicly.

---

3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 This includes projects in the following fund sources: Recreation Fee Revenue (FY 2021 Congressional Justification), Repair/Rehabilitation (FY 2021 – 2025), Line Item Construction (FY 2021 – 2025), and Federal Lands Transportation Program (FY 2020 – 2021).
Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **26 Buildings**
- **0 Campgrounds**
- **0 Waste Water Systems**
- **< 1 Mile of Trails**
- **< 1 Mile of Unpaved Roads**
- **1 Housing Unit**
- **1 Mile of Paved Roads**
- **9 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include maintained landscapes, monuments, maintained archeological sites, and interpretive media.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a $262 K annual Routine Maintenance requirement in addition to the costs shown above.

- **Total Need $4 M**
  - Capital Improvement $118 K
  - Other Facility Maintenance $360 K
  - Deferred Maintenance $3 M

Buildings and Paved Roads & Structures have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$3 M for Buildings**
- **$385 K for Paved Roads & Structures**
- **$766 K for all remaining asset categories**

Driven by maintained landscapes ($733 K) and housing ($32 K)

Project Funding
Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows an example project in the current funding stream. Not all estimated maintenance needs are captured in the project below.

<table>
<thead>
<tr>
<th>Project in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upgrade HVAC Automation Control System</td>
<td>$205,000</td>
</tr>
</tbody>
</table>

---

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **33 Buildings**
- **10 Miles of Trails**
- **3 Housing Units**
- **0 Campgrounds**
- **3 Miles of Unpaved Roads**
- **2 Water Systems**
- **5 Waste Water Systems**
- **1 Mile of Paved Roads**
- **11 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include trail bridges, maintained landscapes, utility systems, and dams.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need: $11 M**
  - **Deferred Maintenance: $9 M**
  - **Capital Improvement: $1 M**
  - **Other Facility Maintenance: $364 K**

There is also a **$333 K annual Routine Maintenance** requirement in addition to the costs shown above.

Buildings and Paved Roads & Structures have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$7 M for Buildings**
- **$1 M for Paved Roads & Structures**
- **$3 M for all remaining asset categories**

Driven by maintained landscapes ($2 M) and trails ($856 K)

Paved Roads & Structures includes paved roadways and paved parking areas.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rehab Historic Bellefield Exterior</td>
<td>$950,000</td>
</tr>
<tr>
<td>Rehabilitate FDR Home West Terrace</td>
<td>$460,000</td>
</tr>
<tr>
<td>Replumb 2nd Floor Restrooms at Park Headquarters</td>
<td>$65,000</td>
</tr>
<tr>
<td>Replace Outdated Top Cottage Fire Alarm System</td>
<td>$63,000</td>
</tr>
<tr>
<td>Rehabilitate FDR Rose Garden and Presidential Gravesite</td>
<td>$30,000</td>
</tr>
</tbody>
</table>

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **41 Buildings**
- **4 Miles of Trails**
- **4 Housing Units**
- **1 Campground**
- **4 Miles of Unpaved Roads**
- **1 Water System**
- **6 Waste Water Systems**
- **< 1 Mile of Paved Roads**
- **65 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

1 All Other assets include maintained landscapes, boundaries, constructed waterways, monuments, maintained archeological sites, fortifications, and interpretive media.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a $324K annual Routine Maintenance requirement in addition to the costs shown above.

Buildings and Water Systems have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$4 M for Buildings**
- **$667 K for Water Systems**
- **$3 M for all remaining asset categories**

Driven by maintained landscapes ($1 M) and paved roads ($629 K)

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replace Critical Systems at the Museum Storage Facility (Bally Building)</td>
<td>$459,000</td>
</tr>
<tr>
<td>Rehabilitate the Cast House Complex at Hopewell Furnace National Historic Site</td>
<td>$380,000</td>
</tr>
<tr>
<td>Rehabilitate Bethesda Church Complex</td>
<td>$112,000</td>
</tr>
<tr>
<td>Rehabilitate the Care House Barn</td>
<td>$83,000</td>
</tr>
</tbody>
</table>

3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.

EXPERIENCE YOUR AMERICA™
The National Park Service cares for special places saved by the American people so that all may experience our heritage.
Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **43 Buildings**
- **12 Miles of Trails**
- **8 Housing Units**
- **0 Campgrounds**
- **0 Miles of Unpaved Roads**
- **0 Water Systems**
- **0 Waste Water Systems**
- **39 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include maintained landscapes, utility systems, monuments, and interpretive media.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Deferred Maintenance $51 M**
- **Capital Improvement $8 M**
- **Other Facility Maintenance $8 M**

There is also a **$2 M annual Routine Maintenance** requirement in addition to the costs shown above.

<table>
<thead>
<tr>
<th>Buildings and Paved Roads &amp; Structures</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>$56 M for Buildings</strong></td>
<td></td>
</tr>
<tr>
<td><strong>$2 M for Paved Roads &amp; Structures</strong></td>
<td></td>
</tr>
<tr>
<td><strong>$9 M for all remaining asset categories</strong></td>
<td>Driven by heating and cooling plants ($3 M) and trails ($2 M)</td>
</tr>
</tbody>
</table>

Paved Roads & Structures includes paved parking areas.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construct Accessible Elevator Addition to City Tavern</td>
<td>$979,000</td>
</tr>
<tr>
<td>Replace Fire Detection and Suppression Systems and Safety Lighting for Maintenance Facility</td>
<td>$686,000</td>
</tr>
<tr>
<td>Repair Franklin Court Carriageway</td>
<td>$429,000</td>
</tr>
<tr>
<td>Rehabilitate Welcome Park Landscape Features</td>
<td>$300,000</td>
</tr>
<tr>
<td>Rehabilitate Deteriorated Second Bank Main Exhibit Hall Plaster Walls and Ceiling</td>
<td>$250,000</td>
</tr>
</tbody>
</table>

**Notes:**

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
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### Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **1 Building**
- **0 Campgrounds**
- **0 Waste Water Systems**
- **0 Miles of Trails**
- **0 Miles of Unpaved Roads**
- **0 Miles of Paved Roads**
- **0 Housing Units**
- **1 All Other Asset**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include maintained landscapes.

### Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need**: $2 M
- **Deferred Maintenance**: $1 M
- **Other Facility Maintenance**: $1 M
- **Estimated Maintenance Needs**: $3 M

*There is also a $9 K annual Routine Maintenance requirement in addition to the costs shown above.*

### Buildings

Buildings have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

<table>
<thead>
<tr>
<th>Buildings</th>
<th>$2 M for Buildings</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Other Asset</td>
<td>$580 K for all remaining asset categories</td>
</tr>
</tbody>
</table>

Driven by maintained landscapes ($580 K)

*Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.*

### Project Funding

John Fitzgerald Kennedy National Historic Site does not have any projects in the formulated lists released publicly.

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3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. This includes projects in the following fund sources: Recreation Fee Revenue (FY 2021 Congressional Justification), Repair/Rehabilitation (FY 2021 – 2025), Line Item Construction (FY 2021 – 2025), and Federal Lands Transportation Program (FY 2020 – 2021).
Johnstown Flood National Memorial Infrastructure Fact Sheet

183 Thousand Annual Visitors  
$17 Million in Economic Output

Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **9 Buildings**
- **1 Mile of Trails**
- **1 Housing Unit**
- **0 Campgrounds**
- **0 Miles of Unpaved Roads**
- **0 Water Systems**
- **2 Miles of Paved Roads**
- **11 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include maintained landscapes, boundaries, maintained archeological sites, and interpretive media.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need $10 M**
  - Capital Improvement $1 M
  - Other Facility Maintenance $280 K
  - Deferred Maintenance $8 M

There is also a $429 K annual Routine Maintenance requirement in addition to the costs shown above.

Building and Paved Roads & Structures have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$6 M for Buildings**
- **$2 M for Paved Roads & Structures**
- **$2 M for all remaining asset categories**

Driven by interpretive media ($883 K) and maintained landscapes ($658 K)

Paved Roads & Structures includes paved roadways and paved parking areas.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows an example project in the current funding stream. Not all estimated maintenance needs are captured in the project below.

<table>
<thead>
<tr>
<th>Project in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rehabilitate Doors and Windows at Lippincott Cottage</td>
<td>$330,000</td>
</tr>
</tbody>
</table>

---

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
**Infrastructure Inventory**

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

<table>
<thead>
<tr>
<th>Asset Category</th>
<th>Count</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buildings</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Campgrounds</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Waste Water Systems</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Miles of Trails</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Miles of Unpaved Roads</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Miles of Paved Roads</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Housing Units*</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Water Systems</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>All Other Asset†</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.
†All Other assets include maintained landscapes.

**Estimated Maintenance Needs**

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Deferred Maintenance**: $2 M
- **Capital Improvement**: $19 K
- **Other Facility Maintenance**: $1 M
- **Total Need**: $3 M
- **Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.**

There is also a **$63 K annual Routine Maintenance** requirement in addition to the costs shown above.

**Buildings** have the highest **estimated maintenance needs** by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$2 M for Buildings**
- **$1 M for all remaining asset categories**
  - Driven by maintained landscapes ($1 M)

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

**Project Funding**

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remove and Replace Metal Roof on Longfellow House</td>
<td>$69,000</td>
</tr>
<tr>
<td>Reinforce Structural Support in Longfellow Basement</td>
<td>$45,000</td>
</tr>
</tbody>
</table>

---

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
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Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **Buildings**: 28
- **Trails**: < 1 Mile
- **Campsites**: 0
- **Water Systems**: 0

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need**: $79 M
- **Capital Improvement**: $50 M
- **Deferred Maintenance**: $21 M
- **Other Facility Maintenance**: $8 M
- **Deferred Maintenance**: $670 K

There is also a $670 K annual Routine Maintenance requirement in addition to the costs shown above.

Buildings and Paved Roads & Structures have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **Buildings**: $17 M
- **Paved Roads & Structures**: $1 M
- **All Other Assets**: $60 M

There are various projects in the current funding stream, some examples are:
- **Repair Trolley Track and Pole - Wye to Carbarn**: $1,796,000
- **Rehabilitate Francis Gate Hydraulic Gatehouse North Elevation**: $1,226,000
- **Repair Trolley Track and Poles - Suffolk to Wye**: $1,164,000
- **Replace Membrane Roof on Boott Mill #6**: $935,000

Project Funding
Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Repair Trolley Track and Pole - Wye to Carbarn</td>
<td>$1,796,000</td>
</tr>
<tr>
<td>Repair Various Park Trolley Bridges</td>
<td>$1,618,000</td>
</tr>
<tr>
<td>Rehabilitate Francis Gate Hydraulic Gatehouse North Elevation</td>
<td>$1,226,000</td>
</tr>
<tr>
<td>Repair Trolley Track and Poles - Suffolk to Wye</td>
<td>$1,164,000</td>
</tr>
<tr>
<td>Replace Membrane Roof on Boott Mill #6</td>
<td>$935,000</td>
</tr>
</tbody>
</table>

3. Deferred Maintenance includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
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Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **1 Building**
- **0 Camp-grounds**
- **0 Waste Water Systems**
- **0 Miles of Trails**
- **0 Miles of Unpaved Roads**
- **0 Housing Units**
- **0 Water Systems**
- **0 Miles of Paved Roads**
- **1 All Other Asset**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include maintained landscapes.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need** $2 M
  - **Deferred Maintenance** $2 M
  - **Capital Improvement** $29 K
  - **Other Facility Maintenance** $33 K

There is also a **$11 K annual Routine Maintenance** requirement in addition to the costs shown above.

<table>
<thead>
<tr>
<th>Buildings have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>$2 M for Buildings</strong></td>
</tr>
<tr>
<td><strong>$23 K for all remaining asset categories</strong></td>
</tr>
</tbody>
</table>
| Driven by maintained landscapes ($23 K)

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows an example project in the current funding stream. Not all estimated maintenance needs are captured in the project below.

<table>
<thead>
<tr>
<th>Project in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interior Structural Repairs for 97 Orchard Street Historic Site</td>
<td>$532,000</td>
</tr>
</tbody>
</table>

---

3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
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**Infrastructure Inventory**

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **8 Buildings**
- **0 Miles of Trails**
- **0 Housing Units*”
- **0 Campgrounds**
- **0 Miles of Unpaved Roads**
- **0 Water Systems**
- **0 Waste Water Systems**
- **0 Miles of Paved Roads**
- **2 All Other Assets†**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include maintained landscapes and interpretive media.

**Estimated Maintenance Needs**

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need $1 M**
- **Capital Improvement $260 K**
- **Other Facility Maintenance $42 K**
- **Deferred Maintenance $702 K**

There is also a $17 K annual Routine Maintenance requirement in addition to the costs shown above.

**Buildings** have the highest estimated maintenance needs by asset category at the park. The figure below does not include the cost of Routine Maintenance.

- **$1 M for Buildings**

*Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.*

**Project Funding**

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost$</th>
</tr>
</thead>
<tbody>
<tr>
<td>Repair Museum and Storage Fire Suppression System</td>
<td>$205,000</td>
</tr>
<tr>
<td>Design and Install Dry Pipe Fire Suppression System for the Carriage House</td>
<td>$60,000</td>
</tr>
</tbody>
</table>

---

3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
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Manhattan Sites
Infrastructure Fact Sheet

Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- 0 Buildings
- 0 Campgrounds
- 0 Waste Water Systems
- 0 Miles of Trails
- 0 Miles of Unpaved Roads
- 0 Miles of Paved Roads
- 0 Housing Units*
- 0 Water Systems
- 1 All Other Asset†

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.
†All Other assets include utility systems.

There are no maintenance needs at the park. This need does not include the cost of Routine Maintenance.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

Total Need $0 M

There is also a $0 annual Routine Maintenance requirement in addition to the costs shown above.

Project Funding
Manhattan Sites does not have any projects in the formulated lists released publicly.⁵

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3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 This includes projects in the following fund sources: Recreation Fee Revenue (FY 2021 Congressional Justification), Repair/Rehabilitation (FY 2021 – 2025), Line Item Construction (FY 2021 – 2025), and Federal Lands Transportation Program (FY 2020 – 2021).
**Infrastructure Inventory**

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

<table>
<thead>
<tr>
<th>Buildings</th>
<th>Trails</th>
<th>Housing Units*</th>
<th>Water Systems</th>
<th>All Other Assets†</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>15</td>
<td>2</td>
<td>2</td>
<td>12</td>
</tr>
<tr>
<td>0 Campgrounds</td>
<td>7 Miles of Unpaved Roads</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 Waste Water Systems</td>
<td>0 Miles of Paved Roads</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include maintained landscapes, utility systems, and dams.

**Estimated Maintenance Needs**

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- Deferred Maintenance: $4 M
- Water Systems: $3 M
- Capital Improvement: $1 M
- Total Need: $8 M
- Other Facility Maintenance: $3 M

*There is also a $283 K annual Routine Maintenance requirement in addition to the costs shown above.*

**Buildings and Unpaved Roads** have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

<table>
<thead>
<tr>
<th>Buildings</th>
<th>Unpaved Roads</th>
</tr>
</thead>
<tbody>
<tr>
<td>$4 M</td>
<td>$1 M</td>
</tr>
</tbody>
</table>

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

**Project Funding**

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows an example project in the current funding stream. Not all estimated maintenance needs are captured in the project below.

<table>
<thead>
<tr>
<th>Project in Current Funding Stream</th>
<th>Estimated Project Cost²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Repair Brick Valve Box on Carriage Barn Lawn</td>
<td>$49,000</td>
</tr>
</tbody>
</table>

---

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
**Infrastructure Inventory**

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

<table>
<thead>
<tr>
<th>Asset Category</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buildings</td>
<td>17</td>
</tr>
<tr>
<td>Campgrounds</td>
<td>0</td>
</tr>
<tr>
<td>Waste Water Systems</td>
<td>0</td>
</tr>
<tr>
<td>Trails</td>
<td>&lt; 1 Mile</td>
</tr>
<tr>
<td>Paved Roads</td>
<td>0</td>
</tr>
<tr>
<td>Housing Units*</td>
<td>0</td>
</tr>
<tr>
<td>Water Systems</td>
<td>3</td>
</tr>
<tr>
<td>All Other Assets†</td>
<td>2</td>
</tr>
</tbody>
</table>

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include maintained landscapes and maintained archeological sites.

**Estimated Maintenance Needs**

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need**: $5 M
  - Capital Improvement: $1 M
  - Deferred Maintenance: $3 M
  - Other Facility Maintenance: $343 K

There is also a **$36 K annual Routine Maintenance** requirement in addition to the costs shown above.

**Buildings** and **Paved Roads & Structures**† have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

<table>
<thead>
<tr>
<th>Asset Category</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buildings</td>
<td>$4 M</td>
</tr>
<tr>
<td>Paved Roads &amp; Structures</td>
<td>$139 K</td>
</tr>
<tr>
<td>All remaining asset categories</td>
<td>$550 K</td>
</tr>
</tbody>
</table>

†Paved Roads & Structures includes paved parking areas.

*Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.*

**Project Funding**

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replace Temporary Visitor Contact and Support Center</td>
<td>$5,713,000</td>
</tr>
<tr>
<td>Restore Historic Martin Van Buren Orchard</td>
<td>$199,000</td>
</tr>
<tr>
<td>Re-bury and Extend Fiber-Optic Line for Fire and Intrusion Systems</td>
<td>$56,000</td>
</tr>
<tr>
<td>Install well at Farm Cottage</td>
<td>$44,000</td>
</tr>
</tbody>
</table>

---

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
**Infrastructure Inventory**

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **53 Buildings**
- **6 Miles of Trails**
- **7 Housing Units**
- **0 Campgrounds**
- **3 Miles of Unpaved Roads**
- **0 Water Systems**
- **10 Waste Water Systems**
- **4 Miles of Paved Roads**
- **81 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

† All Other assets include trail bridges, trail tunnels, maintained landscapes, boundaries, utility systems, dams, monuments, maintained archeological sites, interpretive media, and amphitheaters.

**Estimated Maintenance Needs**

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a $524 K annual Routine Maintenance requirement in addition to the costs shown above.

<table>
<thead>
<tr>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rehabilitation Sam Brooks House Exterior</td>
</tr>
<tr>
<td>Rehabilitation Joshua Brooks House Exterior</td>
</tr>
<tr>
<td>Rehabilitation Historic Fields</td>
</tr>
<tr>
<td>Rehabilitation Park Ranger Headquarters (Rego House)</td>
</tr>
<tr>
<td>Rehabilitation Smith House Exterior</td>
</tr>
</tbody>
</table>


3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.

4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.

5 Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.

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The National Park Service cares for special places saved by the American people so that all may experience our heritage.
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **22 Buildings**
- **13 Miles of Trails**
- **0 Campgrounds**
- **16 Waste Water Systems**
- **10 Housing Units**
- **2 Miles of Unpaved Roads**
- **7 Miles of Paved Roads**
- **15 Water Systems**
- **9 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

1 All Other assets include maintained landscapes, utility systems, and monuments.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need $11 M**
  - Capital Improvement $3 M
  - Other Facility Maintenance $650 K
  - Deferred Maintenance $7 M

There is also a **$474 K annual Routine Maintenance** requirement in addition to the costs shown above.

Buildings and Paved Roads & Structures have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$5 M for Buildings**
- **$4 M for Paved Roads & Structures**
- **$2 M for all remaining asset categories**
  Driven by maintained landscapes ($1 M) and housing ($321 K)

Paved Roads & Structures includes paved roadways and paved parking areas.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Security Lighting and Backup Power For Museum</td>
<td>$176,000</td>
</tr>
<tr>
<td>Replace Single Membrane Roof on Jockey Hollow Visitor Center</td>
<td>$155,000</td>
</tr>
<tr>
<td>Mill 2 + Ovly 2” MORR-0015 Fort Nonsense Access Road</td>
<td>$138,000</td>
</tr>
<tr>
<td>Replace Brick Pavers at New York Brigade Comfort Station to Eliminate Tripping Hazard</td>
<td>$119,000</td>
</tr>
<tr>
<td>Rehabilitate Wick House Exterior</td>
<td>$103,000</td>
</tr>
</tbody>
</table>

3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **Buildings**: 4
- **Miles of Trails**: 0
- **Camps**: 0
- **Miles of Unpaved Roads**: 0
- **Waste Water Systems**: 0
- **Miles of Paved Roads**: 0
- **Housing Units**: 0
- **All Other Assets**: 7

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.
*All Other assets include maintained landscapes, utility systems, and maintained archeological sites.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need**: $716 K
- **Deferred Maintenance**: $637 K
- **Capital Improvement**: $40 K
- **Other Facility Maintenance**: $39 K

There is also a $214 K annual Routine Maintenance requirement in addition to the costs shown above.

**Buildings** have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

<table>
<thead>
<tr>
<th>Buildings</th>
<th>$691 K for Buildings</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Other Asset Categories</td>
<td>$25 K for all remaining asset categories</td>
</tr>
</tbody>
</table>

Driven by maintained landscapes ($25 K)

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows an example project in the current funding stream. Not all estimated maintenance needs are captured in the project below.

<table>
<thead>
<tr>
<th>Project in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Repoint Visitor Center Brick Masonry</td>
<td>$137,000</td>
</tr>
</tbody>
</table>

---

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
New Jersey Coastal Heritage Trail Route
Infrastructure Fact Sheet

Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- 0 Buildings
- 0 Campgrounds
- 0 Waste Water Systems
- 300 Miles of Trails
- 0 Miles of Unpaved Roads
- 0 Miles of Paved Roads
- 0 Housing Units*
- 0 Water Systems
- 0 All Other Assets†

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.
†There are no other asset categories at New Jersey Coastal Heritage Trail Route.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

Total Need
$0 M

There is also a $5 M annual Routine Maintenance requirement in addition to the costs shown above.

There are no maintenance needs at the park. This need does not include the cost of Routine Maintenance.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
New Jersey Coastal Heritage Trail Route does not have any projects in the formulated lists released publicly.⁵

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³ Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
⁴ Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
⁵ This includes projects in the following fund sources: Recreation Fee Revenue (FY 2021 Congressional Justification), Repair/Rehabilitation (FY 2021 – 2025), Line Item Construction (FY 2021 – 2025), and Federal Lands Transportation Program (FY 2020 – 2021).
New River Gorge National River Infrastructure Fact Sheet

1.2 Million Annual Visitors

$62 Million in Economic Output

Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- 171 Buildings
- 84 Miles of Trails
- 12 Campgrounds
- 29 Miles of Unpaved Roads
- 7 Waste Water Systems
- 4 Housing Units
- 3 Water Systems
- 3 Miles of Paved Roads
- 134 All Other Assets

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.
†All Other assets include trail bridges, trail tunnels, maintained landscapes, boundaries, utility systems, marinas, maintained archeological sites, interpretive media, and amphitheaters.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- Total Need $39 M
- Deferred Maintenance $21 M
- Capital Improvement $15 M
- Other Facility Maintenance $3 M

*There is also a $2 M annual Routine Maintenance requirement in addition to the costs shown above.

Buildings and Paved Roads & Structures have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- $12 M for Buildings
- $6 M for Paved Roads & Structures
- $21 M for all remaining asset categories

Paved Roads & Structures includes paved roadways, paved parking areas, and bridges.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pulverize + Ovly 3&quot; NERI-0126 Turkey Spur Road</td>
<td>$543,000</td>
</tr>
<tr>
<td>Rehabilitate Historic Thurmond Buildings</td>
<td>$456,000</td>
</tr>
<tr>
<td>Upgrade Wastewater Systems for Current and Future Needs</td>
<td>$405,000</td>
</tr>
<tr>
<td>Repair and Rehabilitate Buildings within Headquarters Complex</td>
<td>$368,000</td>
</tr>
<tr>
<td>Repair Windows and Doors and Improve Ventilation on Thurmond Historic Commercial Row Buildings</td>
<td>$342,000</td>
</tr>
</tbody>
</table>

3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.

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The National Park Service cares for special places saved by the American people so that all may experience our heritage.
Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **1 Building**
- **0 Campgrounds**
- **0 Waste Water Systems**
- **0 Miles of Trails**
- **0 Miles of Unpaved Roads**
- **0 Miles of Paved Roads**
- **0 Housing Units**
- **0 Water Systems**
- **0 All Other Asset**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include maintained landscapes.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a $0 annual Routine Maintenance requirement in addition to the costs shown above.

Buildings have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$232 K for Buildings**
- **$365 K for all remaining asset categories**

Driven by maintained landscapes ($365 K)

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Northeast Regional Office does not have any projects in the formulated lists released publicly.

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3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. This includes projects in the following fund sources: Recreation Fee Revenue (FY 2021 Congressional Justification), Repair/Rehabilitation (FY 2021 – 2025), Line Item Construction (FY 2021 – 2025), and Federal Lands Transportation Program (FY 2020 – 2021).
**Infrastructure Inventory**

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **1 Building**
- **0 Campgrounds**
- **0 Waste Water Systems**
- **0 Miles of Trails**
- **0 Miles of Unpaved Roads**
- **0 Housing Units**
- **0 Water Systems**
- **0 Miles of Paved Roads**
- **2 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include trail bridges and utility systems.

**Estimated Maintenance Needs**

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need $0 M**

There is also a $3 K annual Routine Maintenance requirement in addition to the costs shown above.

There are no maintenance needs at the park. This need does not include the cost of Routine Maintenance.

*Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.*

**Project Funding**

Paterson Great Falls National Historical Park does not have any projects in the formulated lists released publicly.³
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **45 Buildings**
- **25 Miles of Trails**
- **6 Housing Units**
- **0 Campgrounds**
- **3 Miles of Unpaved Roads**
- **1 Water System**
- **1 Waste Water System**
- **8 Miles of Paved Roads**
- **115 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.
†All Other assets include trail bridges, maintained landscapes, boundaries, utility systems, marinas, monuments, maintained archeological sites, fortifications, and interpretive media.

Buildings and Trails have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$2 M for Buildings**
- **$581 K for Trails**
- **$8 M for all remaining asset categories**

Driven by maintained landscapes ($4 M) and interpretive media ($2 M)

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a $1 M annual Routine Maintenance requirement in addition to the costs shown above.

Project Funding

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Repair, Rehabilitate &amp; Stabilize Cemetery Wall</td>
<td>$526,000</td>
</tr>
<tr>
<td>Surf Treat - 2 PETE-0500 Petersburg Tour Road</td>
<td>$413,000</td>
</tr>
<tr>
<td>Repair &amp; Recovery of Smoke Houses &amp; Dairy Foundations</td>
<td>$299,000</td>
</tr>
<tr>
<td>Surf Treat - 2 PETE-0301 Flank Road</td>
<td>$73,000</td>
</tr>
</tbody>
</table>

2 Economic Contributions of National Park Visitor Spending - 2019 - [https://www.nps.gov/subjects/socialscience/vse.htm](https://www.nps.gov/subjects/socialscience/vse.htm)
3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **16 Buildings**
- **7 Miles of Trails**
- **3 Housing Units**
- **0 Campgrounds**
- **1 Mile of Unpaved Roads**
- **2 Water Systems**
- **9 Miles of Paved Roads**
- **45 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include trail bridges, maintained landscapes, utility systems, monuments, maintained archeological sites, fortifications, and interpretive media.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Deferred Maintenance** $5 M
- **Capital Improvement** $1 M
- **Other Facility Maintenance** $736 K
- **Total Need** $7 M

There is also a $809 K annual Routine Maintenance requirement in addition to the costs shown above.

Buildings and Paved Roads & Structures have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$2 M for Buildings**
- **$1 M for Paved Roads & Structures**
- **$4 M for all remaining asset categories**

*Paved Roads & Structures includes paved roadways and paved parking areas.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surf Treat - 2 RICH-0304 Battlefield Park Road</td>
<td>$262,000</td>
</tr>
<tr>
<td>Surf Treat - 2 RICH-0308 Hoke Brady Road</td>
<td>$122,000</td>
</tr>
<tr>
<td>Repair and Upgrade Park Fire Detection and Fire Suppression Systems</td>
<td>$104,000</td>
</tr>
<tr>
<td>Repairs to the Fire Suppression Water Tank at Fort Harrison</td>
<td>$42,000</td>
</tr>
<tr>
<td>Replace Damaged and Unsafe Sidewalks and Curbs for Visitor Accessibility</td>
<td>$31,000</td>
</tr>
</tbody>
</table>


3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.

4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.

5 Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Roger Williams National Memorial Infrastructure Fact Sheet

59 Thousand Annual Visitors

$5 Million in Economic Output

Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- 1 Building
- < 1 Mile of Trails
- 0 Housing Units*
- 0 Campgrounds
- 0 Miles of Unpaved Roads
- 0 Water Systems
- 0 Waste Water Systems
- 0 Miles of Paved Roads
- 4 All Other Assets†

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.
†All Other assets include maintained landscapes, monuments, and interpretive media.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a $57 K annual Routine Maintenance requirement in addition to the costs shown above.

Buildings and Paved Roads & Structures† have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- $459 K for Buildings
- $30 K for Paved Roads & Structures
- $566 K for all remaining asset categories

Driven by monuments ($301 K) and maintained landscapes ($266 K)

†Paved Roads & Structures includes paved parking areas.
Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows an example project in the current funding stream. Not all estimated maintenance needs are captured in the project below.

<table>
<thead>
<tr>
<th>Project in Current Funding Stream</th>
<th>Estimated Project Cost²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Improved Accessibility for Visitor Center Restrooms</td>
<td>$21,000</td>
</tr>
</tbody>
</table>

---

3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Sagamore Hill National Historic Site
Infrastructure Fact Sheet

37 Thousand Annual Visitors
$3 Million in Economic Output

Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **13 Buildings**
- **< 1 Mile of Trails**
- **6 Housing Units***
- **0 Campgrounds**
- **< 1 Mile of Unpaved Roads**
- **0 Water Systems**
- **4 Waste Water Systems**
- **< 1 Mile of Paved Roads**
- **7 All Other Assets†**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.
†All Other assets include trail bridges, maintained landscapes, and monuments.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a $143 K annual Routine Maintenance requirement in addition to the costs shown above.

<table>
<thead>
<tr>
<th>Buildings</th>
<th>Housing</th>
<th>All Remaining Asset Categories</th>
</tr>
</thead>
<tbody>
<tr>
<td>$13 M</td>
<td>$4 M</td>
<td>$2 M</td>
</tr>
<tr>
<td>$13 M for Buildings</td>
<td>$4 M for Housing</td>
<td>$2 M for all remaining asset categories</td>
</tr>
</tbody>
</table>

Driven by maintained landscapes ($1 M) and paved roads ($734 K)

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asbestos Abatement &amp; Lead Paint Removal at Maintenance Compound</td>
<td>$343,000</td>
</tr>
<tr>
<td>Repair / Replace Foundation and Storm Water Drainage around Old Orchard Museum</td>
<td>$246,000</td>
</tr>
</tbody>
</table>

3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **8 Buildings**
- **0 Campgrounds**
- **0 Waste Water Systems**
- **0 Miles of Trails**
- **0 Miles of Unpaved Roads**
- **< 1 Mile of Paved Roads**
- **1 Housing Unit***

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

1 All Other assets include maintained landscapes and interpretive media.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need $2 M**
  - **Deferred Maintenance $830 K**
  - **Capital Improvement $23 K**
  - **Other Facility Maintenance $664 K**

There is also a **$53 K annual Routine Maintenance** requirement in addition to the costs shown above.

- **Buildings** and **Paved Roads & Structures** have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

<table>
<thead>
<tr>
<th>Buildings</th>
<th>Paved Roads &amp; Structures</th>
<th>All Other Assets</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1 M</td>
<td>$128 K</td>
<td>$215 K</td>
</tr>
</tbody>
</table>

1 Paved Roads & Structures includes paved roadways and paved parking areas.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding

Saint Croix Island International Historic Site does not have any projects in the formulated lists released publicly.  

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3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 This includes projects in the following fund sources: Recreation Fee Revenue (FY 2021 Congressional Justification), Repair/Rehabilitation (FY 2021 – 2025), Line Item Construction (FY 2021 – 2025), and Federal Lands Transportation Program (FY 2020 – 2021).
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **Buildings**: 2
- **Miles of Trails**: 0
- **Miles of Unpaved Roads**: 0
- **Waste Water Systems**: 0
- **Housing Units**: 0
- **Miles of Paved Roads**: 0

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

1 All Other assets include maintained landscapes.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a **$12 K annual Routine Maintenance** requirement in addition to the costs shown above.

Buildings have the highest **estimated maintenance needs** by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **Buildings**: **$49 K**
- **All remaining asset categories**: **$155 K**

Driven by maintained landscapes ($155 K)

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows an example project in the current funding stream. Not all estimated maintenance needs are captured in the project below.

<table>
<thead>
<tr>
<th>Project in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stabilize Character Defining Features of the Saint Paul’s Cemetery with Mather HS Students and Staff</td>
<td><strong>$36,000</strong></td>
</tr>
</tbody>
</table>

---

3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.

EXPERIENCE YOUR AMERICA™
The National Park Service cares for special places saved by the American people so that all may experience our heritage.
Saint-Gaudens National Historical Park
Infrastructure Fact Sheet

32 Thousand
Annual Visitors¹

$2.4 Million
in Economic Output²

Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

28 Buildings
1 Mile of Trails
1 Housing Unit*
0 Campgrounds
1 Mile of Unpaved Roads
1 Waste Water System
< 1 Mile of Paved Roads
9 All Other Assets†

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.
†All Other assets include trail bridges, maintained landscapes, utility systems, and dams.

Estimated Maintenance Needs³
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a $131 K annual Routine Maintenance⁴ requirement in addition to the costs shown above.

Building Inventory

<table>
<thead>
<tr>
<th>Buildings</th>
<th>Water Systems</th>
<th>Other Facility Maintenance</th>
<th>Capital Improvement</th>
</tr>
</thead>
<tbody>
<tr>
<td>$5 M</td>
<td>$376 K</td>
<td>$266 K</td>
<td>$776 K</td>
</tr>
</tbody>
</table>

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows an example project in the current funding stream. Not all estimated maintenance needs are captured in the project below.

<table>
<thead>
<tr>
<th>Project in Current Funding Stream</th>
<th>Estimated Project Cost⁵</th>
</tr>
</thead>
<tbody>
<tr>
<td>Install Fire Protection System in Beaman Dance Hall</td>
<td>$180,000</td>
</tr>
</tbody>
</table>

3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **13 Buildings**
- **< 1 Mile of Trails**
- **0 Housing Units**
- **0 Campgrounds**
- **0 Miles of Unpaved Roads**
- **1 Water System**
- **0 Waste Water Systems**
- **0 Miles of Paved Roads**
- **26 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

1 All Other assets include maintained landscapes, utility systems, marinas, ships, maintained archeological sites, and interpretive media.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need $9 M**
- **Deferred Maintenance $9 M**
- **Capital Improvement $345 K**
- **Other Facility Maintenance $81 K**

There is also a $294 K annual Routine Maintenance requirement in addition to the costs shown above.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Buildings and Housing have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$4 M for Buildings**
- **$183 K for Housing**
- **$5 M for all remaining asset categories**

Driven by ships ($3 M) and maintained landscapes ($1 M)

Project Funding

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Repair 'Friendship of Salem' Hull and Framing from Mizzen Channel to Forward of Main Channel</td>
<td>$468,000</td>
</tr>
<tr>
<td>Replace Salem Maritime Fire Alarm System</td>
<td>$371,000</td>
</tr>
<tr>
<td>Repair Custom House and Bonded Warehouse Exterior Wood and Metal Components</td>
<td>$345,000</td>
</tr>
<tr>
<td>Rehabilitate Hawkes House</td>
<td>$294,000</td>
</tr>
<tr>
<td>Replace 'Friendship of Salem' Mooring Bollards</td>
<td>$252,000</td>
</tr>
</tbody>
</table>

3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **26 Buildings**
- **25 Miles of Trails**
- **1 Housing Unit**
- **0 Campgrounds**
- **2 Miles of Unpaved Roads**
- **1 Water System**
- **1 Waste Water System**
- **12 Miles of Paved Roads**
- **71 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.*

†All Other assets include maintained landscapes, utility systems, monuments, maintained archeological sites, and interpretive media.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a **$1 M annual Routine Maintenance** requirement in addition to the costs shown above.

Paved Roads & Structures and Buildings have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

<table>
<thead>
<tr>
<th>Maintenance Needs</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>$14 M for Paved Roads &amp; Structures</strong></td>
<td>$910,000</td>
</tr>
<tr>
<td><strong>$2 M for Buildings</strong></td>
<td>$109,000</td>
</tr>
<tr>
<td><strong>$5 M for all remaining asset categories</strong></td>
<td>$87,000</td>
</tr>
</tbody>
</table>

Paved Roads & Structures includes paved roadways, paved parking areas, and bridges.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mill 2 + Ovly 2&quot; SARA-0010 Entrance Road</td>
<td>$910,000</td>
</tr>
<tr>
<td>Restore degraded trail sections Parkwide</td>
<td>$109,000</td>
</tr>
<tr>
<td>Restore Wooden Windows at Saratoga Monument</td>
<td>$87,000</td>
</tr>
<tr>
<td>Repair Stair Anchors at the Saratoga Monument</td>
<td>$87,000</td>
</tr>
<tr>
<td>Repoint Visitor Center Foundation Walls</td>
<td>$69,000</td>
</tr>
</tbody>
</table>

3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
**Infrastructure Inventory**

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **14 Buildings**
- **< 1 Mile of Trails**
- **0 Housing Units**
- **< 1 Mile of Unpaved Roads**
- **0 Water Systems**
- **0 Waste Water Systems**
- **0 Miles of Paved Roads**
- **17 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected. All Other assets include trail bridges, maintained landscapes, constructed waterways, marinas, maintained archeological sites, fortifications, and interpretive media.

**Estimated Maintenance Needs**

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need $6 M**
  - Capital Improvement $2 M
  - Other Facility Maintenance $31 K
  - Deferred Maintenance $3 M

*There is also a $161 K annual Routine Maintenance requirement in addition to the costs shown above.*

**Project Funding**

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replace Slitting Mill Waterwheel</td>
<td>$661,000</td>
</tr>
<tr>
<td>Replace Forge Hammer Waterwheel</td>
<td>$548,000</td>
</tr>
<tr>
<td>Rehabilitate Iron Works House and Visitor Center Exterior</td>
<td>$496,000</td>
</tr>
<tr>
<td>Replace Forge Southwest Waterwheel</td>
<td>$288,000</td>
</tr>
<tr>
<td>Reconstruction SAIR-0900 Visitor Center Parking</td>
<td>$83,000</td>
</tr>
</tbody>
</table>

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
**Infrastructure Inventory**

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **317 Buildings**
- **322 Miles of Trails**
- **20 Housing Units**
- **5 Campgrounds**
- **97 Miles of Unpaved Roads**
- **26 Water Systems**
- **39 Waste Water Systems**
- **126 Miles of Paved Roads**
- **241 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

† All Other assets include trail bridges, maintained landscapes, boundaries, utility systems, and interpretive media.

**Estimated Maintenance Needs**

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a $6 M annual Routine Maintenance requirement in addition to the costs shown above.

**Paved Roads & Structures** and **Buildings** have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$51 M for Paved Roads & Structures**
- **$27 M for Buildings**
- **$38 M for all remaining asset categories**

<table>
<thead>
<tr>
<th>Paved Roads &amp; Structures</th>
<th>Buildings</th>
<th>All Other Assets</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>$51 M</strong></td>
<td><strong>$27 M</strong></td>
<td><strong>$38 M</strong></td>
</tr>
</tbody>
</table>

*Paved Roads & Structures includes paved roadways, paved parking areas, bridges, and tunnels.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

**Project Funding**

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rehabilitate Loft Mountain Area Waste Water Systems</td>
<td>$981,000</td>
</tr>
<tr>
<td>Rehabilitate Loft Mountain Water System</td>
<td>$839,000</td>
</tr>
<tr>
<td>Provide Critical Upgrade to the Skyland Wastewater Treatment Plant</td>
<td>$732,000</td>
</tr>
<tr>
<td>Rehabilitate Headquarters Area Water System</td>
<td>$717,000</td>
</tr>
<tr>
<td>Install Code Required Fire Suppression System in Park Headquarters Administrative Building</td>
<td>$655,000</td>
</tr>
</tbody>
</table>

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
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Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **Buildings**: 4
- **Trails**: 0
- **Housing Units**: 0
- **Campgrounds**: 0
- **Unpaved Roads**: 0
- **Water Systems**: < 1 Mile
- **Waste Water Systems**: 0
- **Paved Roads**: 0
- **All Other Asset**: 1

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include maintained landscapes.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need**: $10 M
  - **Deferred Maintenance**: $8 M
  - **Capital Improvement**: $1 M
  - **Other Facility Maintenance**: $662 K

There is also a **$99 K annual Routine Maintenance** requirement in addition to the costs shown above.

Buildings and Paved Roads & Structures† have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **Buildings**: $8 M
- **Paved Roads & Structures**: $1 M
- **Other Remaining Asset Categories**: $1 M

†Paved Roads & Structures includes paved roadways and paved parking areas.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replace Fluorescent lighting with LED</td>
<td>$670,000</td>
</tr>
<tr>
<td>Clean/ Perform Repointing/ Repaint Interior Basement Walls</td>
<td>$77,000</td>
</tr>
</tbody>
</table>

---

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **67 Buildings**
- **5 Miles of Trails**
- **0 Housing Units**
- **0 Campgrounds**
- **0 Miles of Unpaved Roads**
- **4 Water Systems**
- **0 Miles of Paved Roads**
- **32 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include maintained landscapes, boundaries, utility systems, marinas, monuments, and fortifications.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a **$3 M annual Routine Maintenance** requirement in addition to the costs shown above.

Buildings and Paved Roads & Structures have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$173 M for Buildings**
- **$20 M for Paved Roads & Structures**
- **$109 M for all remaining asset categories**

†Paved Roads & Structures includes bridges.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows an example project in the current funding stream. Not all estimated maintenance needs are captured in the project below.

<table>
<thead>
<tr>
<th>Project in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rehabilitate Terreplein and Improve Parapet Safety at Fort Wood</td>
<td>$20,479,000</td>
</tr>
</tbody>
</table>

---

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

<table>
<thead>
<tr>
<th>Category</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buildings</td>
<td>19</td>
</tr>
<tr>
<td>Campgrounds</td>
<td>0</td>
</tr>
<tr>
<td>Waste Water Systems</td>
<td>2</td>
</tr>
<tr>
<td>Miles of Trails</td>
<td>0</td>
</tr>
<tr>
<td>Miles of Unpaved Roads</td>
<td>2</td>
</tr>
<tr>
<td>Water System</td>
<td>1</td>
</tr>
<tr>
<td>Housing Units</td>
<td>0</td>
</tr>
<tr>
<td>All Other Assets</td>
<td>209</td>
</tr>
</tbody>
</table>

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include maintained landscapes, utility systems, railroad systems, maintained archeological sites, and interpretive media.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

<table>
<thead>
<tr>
<th>Category</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buildings</td>
<td>$11 M</td>
</tr>
<tr>
<td>Paved Roads &amp; Structures</td>
<td>$3 M</td>
</tr>
<tr>
<td>All remaining asset categories</td>
<td>$40 M</td>
</tr>
<tr>
<td>Total Need</td>
<td>$54 M</td>
</tr>
</tbody>
</table>

There is also a $834 K annual Routine Maintenance requirement in addition to the costs shown above.

Project Funding

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rehabilitate Core Complex Mezzanines and Metal Components</td>
<td>$788,000</td>
</tr>
<tr>
<td>Rehabilitate Historic Railway Coach #334</td>
<td>$742,000</td>
</tr>
<tr>
<td>Rehabilitate Wood and Steel Windows at Locomotive Shop</td>
<td>$612,000</td>
</tr>
<tr>
<td>Rehabilitate Exterior of Office Storage Building</td>
<td>$569,000</td>
</tr>
<tr>
<td>Replace Coal Dock Retaining Wall</td>
<td>$478,000</td>
</tr>
</tbody>
</table>

3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory
The figures below show the park's real property inventory by asset category as of the end of FY 2018.

- **1 Building**
- **< 1 Mile of Trails**
- **0 Housing Units**
- **0 Campgrounds**
- **0 Miles of Unpaved Roads**
- **0 Water Systems**
- **0 Miles of Paved Roads**
- **0 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.
†There are no other asset categories at Thaddeus Kosciuszko National Memorial.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a $8 K annual Routine Maintenance requirement in addition to the costs shown above.

Buildings and Trails have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$163 K** for Buildings
- **$100** for Trails

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Thaddeus Kosciuszko National Memorial does not have any projects in the formulated lists released publicly.

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3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 This includes projects in the following fund sources: Recreation Fee Revenue (FY 2021 Congressional Justification), Repair/Rehabilitation (FY 2021 – 2025), Line Item Construction (FY 2021 – 2025), and Federal Lands Transportation Program (FY 2020 – 2021).
Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **1 Building**
- **0 Campgrounds**
- **0 Waste Water Systems**
- **0 Miles of Trails**
- **0 Miles of Unpaved Roads**
- **0 Miles of Paved Roads**
- **0 Housing Units**
- **0 Water Systems**
- **0 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

† There are no other asset categories at Theodore Roosevelt Birthplace National Historic Site.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need $5 M**
- **Deferred Maintenance $4 M**
- **Other Facility Maintenance $40 K**
- **Capital Improvement $668 K**

There is also a $18 K annual Routine Maintenance requirement in addition to the costs shown above.

**Buildings** have the highest estimated maintenance needs by asset category at the park. The figure below does not include the cost of Routine Maintenance.

$5 M for Buildings

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

**Project Funding**
Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows an example project in the current funding stream. Not all estimated maintenance needs are captured in the project below.

<table>
<thead>
<tr>
<th>Project in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Install Geothermal HVAC at Theodore Roosevelt’s Birthplace</td>
<td>$699,000</td>
</tr>
</tbody>
</table>

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **2 Buildings**
- **0 Miles of Trails**
- **0 Housing Units***
- **0 Miles of Unpaved Roads**
- **0 Water Systems**
- **0 Waste Water Systems**
- **0 Campgrounds**
- **0 Miles of Paved Roads**
- **2 All Other Assets†**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include maintained landscapes.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Deferred Maintenance $2 M**
- **Capital Improvement $10 K**
- **Other Facility Maintenance $330 K**

There is also a **$16 K annual Routine Maintenance** requirement in addition to the costs shown above.

<table>
<thead>
<tr>
<th>Buildings and Paved Roads &amp; Structures†</th>
<th>$1 M for Buildings</th>
<th>$197 K for Paved Roads &amp; Structures</th>
<th>$527 K for all remaining asset categories</th>
</tr>
</thead>
</table>

†Paved Roads & Structures includes paved parking areas.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding

Theodore Roosevelt Inaugural National Historic Site does not have any projects in the formulated lists released publicly. 

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3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. This includes projects in the following fund sources: Recreation Fee Revenue (FY 2021 Congressional Justification), Repair/Rehabilitation (FY 2021 – 2025), Line Item Construction (FY 2021 – 2025), and Federal Lands Transportation Program (FY 2020 – 2021).
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **3 Buildings**
- **0 Miles of Trails**
- **0 Housing Units**
- **0 Campgrounds**
- **0 Miles of Unpaved Roads**
- **0 Water Systems**
- **0 Waste Water Systems**
- **0 Miles of Paved Roads**
- **0 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†There are no other asset categories at Thomas Cole National Historic Site.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a **$16 K annual Routine Maintenance** requirement in addition to the costs shown above.

Buildings have the highest estimated maintenance needs by asset category at the park. The figure below does not include the cost of Routine Maintenance.

**$444 K for Buildings**

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows an example project in the current funding stream. Not all estimated maintenance needs are captured in the project below.

<table>
<thead>
<tr>
<th>Project in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restore Windows, Doors and Shutters</td>
<td>$259,000</td>
</tr>
</tbody>
</table>


3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.

4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.

5 Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
**Infrastructure Inventory**
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **24 Buildings**
- **0 Campgrounds**
- **0 Waste Water Systems**
- **0 Miles of Trails**
- **< 1 Mile of Unpaved Roads**
- **< 1 Mile of Paved Roads**
- **0 Housing Units**
- **0 Water Systems**
- **7 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include maintained landscapes, utility systems, and monuments.

**Estimated Maintenance Needs**
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a **$143 K annual Routine Maintenance** requirement in addition to the costs shown above.

**Building and Paved Roads & Structures** have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$8 M for Buildings**
- **$211 K for Paved Roads & Structures**
- **$3 M for all remaining asset categories**

Driven by communication systems ($2 M) and monuments ($535 K)

†Paved Roads & Structures includes paved roadways and paved parking areas.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

**Project Funding**
Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replace Slate Roofs and Flashings at Edison’s Glenmont Home</td>
<td>$6,365,000</td>
</tr>
<tr>
<td>Paint Thomas Edison’s Water Tower at his Laboratory Complex</td>
<td>$740,000</td>
</tr>
<tr>
<td>Repair Damaged Brick on Chimneys at Thomas Edison’s 1880 Home, Glenmont</td>
<td>$468,000</td>
</tr>
<tr>
<td>Rehabilitate Exterior of the Historic Glenmont Garage</td>
<td>$325,000</td>
</tr>
<tr>
<td>Repair Unstable Wall in Drawing Room and Replace In-Kind Damaged Wall Treatment at Glenmont</td>
<td>$310,000</td>
</tr>
</tbody>
</table>

3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **8 Buildings**
- **< 1 Mile of Trails**
- **0 Housing Units**
- **< 1 Mile of Unpaved Roads**
- **1 Water System**
- **0 Miles of Paved Roads**
- **5 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

1. All Other assets include maintained landscapes and utility systems.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a $73 K annual Routine Maintenance requirement in addition to the costs shown above.

<table>
<thead>
<tr>
<th>Buildings and Unpaved Roads</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>$2 M for Buildings</td>
<td>$337 K for Unpaved Roads</td>
</tr>
<tr>
<td>$277 K for all remaining asset categories</td>
<td></td>
</tr>
</tbody>
</table>

Driven by maintained landscapes ($157 K) and water systems ($109 K)

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows an example project in the current funding stream. Not all estimated maintenance needs are captured in the project below.

<table>
<thead>
<tr>
<th>Project in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replace Visitor Center Wooden Walkway</td>
<td>$146,000</td>
</tr>
</tbody>
</table>

---

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
**Infrastructure Inventory**

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **28 Buildings**
- **0 Campgrounds**
- **1 Waste Water System**
- **< 1 Mile of Trails**
- **< 1 Mile of Unpaved Roads**
- **< 1 Mile of Paved Roads**
- **0 Housing Units**
- **1 Water System**
- **59 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

† All Other assets include maintained landscapes, utility systems, dams, marinas, maintained archeological sites, and interpretive media.

**Estimated Maintenance Needs**

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need $4 M**
- **Deferred Maintenance $2 M**
- **Capital Improvement $1 M**
- **Other Facility Maintenance $691 K**

There is also a $492 K annual Routine Maintenance requirement in addition to the costs shown above.

**Buildings and Paved Roads & Structures** have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$2 M for Buildings**
- **$1 M for Paved Roads & Structures**
- **$1 M for all remaining asset categories**

Driven by maintained landscapes ($558 K) and maintained archeological sites ($365 K)

- Paved Roads & Structures includes paved roadways, paved parking areas, and bridges.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

**Project Funding**

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows an example project in the current funding stream. Not all estimated maintenance needs are captured in the project below.

<table>
<thead>
<tr>
<th>Project in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rehabilitate Parking Lots and Sidewalks Located at Roebling Bridge</td>
<td>$72,000</td>
</tr>
</tbody>
</table>

---

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **92 Buildings**
- **24 Miles of Trails**
- **14 Housing Units* **
- **3 Miles of Unpaved Roads**
- **3 Waste Water Systems**
- **7 Miles of Paved Roads**
- **0 Campgrounds**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

All Other assets include trail bridges, maintained landscapes, utility systems, dams, monuments, maintained archeological sites, fortifications, and interpretive media.

**Estimated Maintenance Needs**

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a **$2 M annual Routine Maintenance** requirement in addition to the costs shown above.

<table>
<thead>
<tr>
<th>Asset Category</th>
<th>Estimated Maintenance Need</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buildings</td>
<td>$29 M</td>
</tr>
<tr>
<td>Paved Roads &amp; Structures</td>
<td>$12 M</td>
</tr>
<tr>
<td>All Other Assets†</td>
<td>$11 M</td>
</tr>
<tr>
<td>Total Need</td>
<td>$51 M</td>
</tr>
</tbody>
</table>

†Paved Roads & Structures includes paved roadways, paved parking areas, bridges, and tunnels.

**Project Funding**

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

### Projects in Current Funding Stream

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rehabilitate Five Lift Stations at Valley Forge National Historical Park</td>
<td>$1,233,000</td>
</tr>
<tr>
<td>Rehabilitate the Thomas House - Natural Resources Office</td>
<td>$1,037,000</td>
</tr>
<tr>
<td>Replace Roofs and Complete Exterior Maintenance on Maintenance Complex Structures</td>
<td>$966,000</td>
</tr>
<tr>
<td>Mill 2 + Ovly 2” VAFO-0500 Outer Line Drive</td>
<td>$394,000</td>
</tr>
<tr>
<td>Establish Replacement Tree Screen along Pennsylvania Turnpike for View Control</td>
<td>$373,000</td>
</tr>
</tbody>
</table>

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastrucutre Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **10 Buildings**
- **2 Miles of Trails**
- **3 Housing Units***
- **1 Mile of Unpaved Roads**
- **1 Water System**
- **3 Miles of Paved Roads**
- **6 All Other Assets†**
- **5 Waste Water Systems**
- **2 Miles of Trails**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.
†All Other assets include maintained landscapes, utility systems, and dams.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

![Graph illustrating maintenance needs]

There is also a $167 K annual Route Maintenance requirement in addition to the costs shown above.

- **Deferred Maintenance**
  - $15 M
- **Capital Improvement**
  - $151 K
- **Other Facility Maintenance**
  - $571 K

Buildings and Paved Roads & Structures† have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

<table>
<thead>
<tr>
<th><strong>Buildings</strong></th>
<th><strong>Paved Roads &amp; Structures</strong></th>
<th><strong>All Remaining Asset Categories</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>$8 M</strong></td>
<td><strong>$3 M</strong></td>
<td><strong>$5 M</strong></td>
</tr>
</tbody>
</table>

†Paved Roads & Structures includes paved roadways, paved parking areas, and bridges.
Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rehab The Historic Vanderbilt Post Road Wall</td>
<td>$1,242,000</td>
</tr>
<tr>
<td>Rehab Historic Vanderbilt Power House Interior</td>
<td>$1,075,000</td>
</tr>
<tr>
<td>Rehab Vanderbilt Main Gate House Exterior</td>
<td>$928,000</td>
</tr>
<tr>
<td>Replace Water Supply System</td>
<td>$828,000</td>
</tr>
<tr>
<td>Rehabilitate the Vanderbilt Mansion 3rd Floor Ceilings</td>
<td>$714,000</td>
</tr>
</tbody>
</table>

3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **18 Buildings**
- **< 1 Mile of Trails**
- **0 Housing Units**
- **< 1 Mile of Unpaved Roads**
- **2 Water Systems**
- **0 Miles of Paved Roads**
- **6 All Other Assets**
- **0 Campgrounds**
- **2 Waste Water Systems**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

1. All Other assets include maintained landscapes, utility systems, and dams.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need $3 M**
  - **Capital Improvement** $657 K
  - **Deferred Maintenance** $2 M
  - **Other Facility Maintenance** $357 K

There is also a **$86 K annual Routine Maintenance** requirement in addition to the costs shown above.

**Buildings** and **Unpaved Roads** have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$1 M for Buildings**
- **$99 K for Unpaved Roads**
- **$2 M for all remaining asset categories**

  Driven by maintained landscapes ($2 M) and dams ($469 K)

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remove Young Woody and Invasive Vegetation from Overgrown Weir Agricultural Fields</td>
<td>$46,000</td>
</tr>
<tr>
<td>Repair Drystone Retaining Wall and Historic Adirondack Style Well Cover</td>
<td>$39,000</td>
</tr>
<tr>
<td>Rehabilitate Stone-lined Water Channel to Regulate Weir Pond Water Levels</td>
<td>$32,000</td>
</tr>
<tr>
<td>Repair Historic Stone and Wire Fence along Town Boundary</td>
<td>$28,000</td>
</tr>
<tr>
<td>Rehabilitate Visitor Trails</td>
<td>$25,000</td>
</tr>
</tbody>
</table>

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **12 Buildings**
- **0 Campgrounds**
- **0 Waste Water Systems**
- **0 Miles of Trails**
- **0 Miles of Unpaved Roads**
- **0 Miles of Paved Roads**
- **0 Housing Units**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include maintained landscapes, utility systems, and monuments.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need $6 M**
  - **Deferred Maintenance $5 M**
  - **Capital Improvement $99 K**
  - **Other Facility Maintenance $433 K**

There is also a **$98 K annual Routine Maintenance** requirement in addition to the costs shown above.

Buildings and Paved Roads & Structures† have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$6 M for Buildings**
- **$90 K for Paved Roads & Structures**
- **$16 K for all remaining asset categories**

Driven by maintained landscapes ($16 K)

†Paved Roads & Structures includes paved parking areas.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Women’s Rights National Historical Park does not have any projects in the formulated lists released publicly.⁵

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³ Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
⁴ Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
⁵ This includes projects in the following fund sources: Recreation Fee Revenue (FY 2021 Congressional Justification), Repair/Rehabilitation (FY 2021 – 2025), Line Item Construction (FY 2021 – 2025), and Federal Lands Transportation Program (FY 2020 – 2021).