Radiation Protection Fee and Program Cost Analysis Report

Environmental Quality Board
February 15, 2022
• **Radiation Protection Act** *(35 P.S. § 7110.401)*

  “...set reasonable annual fees for the registration of radiation sources and the licensing of radiation source users.”

• **Radon Certification Act** *(63 P.S. § 2008)*

  “...establish a fee schedule to cover the costs of the certification...”
Regulatory Requirements

25 Pa. Code § 218.11(l) and Chapter 240 App. A:

“The Department will review the adequacy of the fees established in this section at least once every 3 years and provide a written report to the EQB.”
Fee-Related Activities

• Radiation-Producing Machines (X-ray)
  o X-ray machines
  o Accelerators
  o Vendors

• Radioactive Materials (RAM)
  o Specific Licenses
  o General Licenses
  o Reciprocity

• Decommissioning

• Radon
Fee-Related Activities: Machines

• Radiation-Producing Machines (X-ray):
  o X-ray equipment
  o Accelerators
  o Vendors

• Includes: Registration, licensing, inspection and outreach
Revenues vs. Expenses: Machines

Radiation-Producing Machines: Fee increase necessary*

Revenue and Program Cost Projections

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</thead>
<tbody>
<tr>
<td>Beginning Bal.</td>
<td>$2,302</td>
<td>$2,338</td>
<td>**$2,848</td>
<td>$2,445</td>
<td>$1,915</td>
<td>$1,284</td>
<td>-$588</td>
<td>-$1,742</td>
<td>-$3,160</td>
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<tr>
<td>Fee Collection</td>
<td>$4,449</td>
<td>$4,200</td>
<td>$4,208</td>
<td>$4,200</td>
<td>$4,200</td>
<td>$4,200</td>
<td>$4,200</td>
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<tr>
<td>Fines and Pen.</td>
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<td>$69</td>
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<td>MQSA Cont.</td>
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<tr>
<td>Total Revenue</td>
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<tr>
<td>Program Costs</td>
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<td>$4,908</td>
<td>$5,318</td>
<td>$5,406</td>
<td>$5,568</td>
<td>$5,735</td>
<td>$5,907</td>
<td>$6,095</td>
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<tr>
<td>Ending Bal.</td>
<td>$2,338</td>
<td>$2,040</td>
<td>$2,445</td>
<td>$1,915</td>
<td>$1,284</td>
<td>-$588</td>
<td>-$1,742</td>
<td>-$3,160</td>
<td>-$4,854</td>
</tr>
</tbody>
</table>

*Figures in thousands of dollars. Also assumes current fee rates.
**Funds moved from other areas to help support the Radiation-Producing Machines area due to its decreasing revenue.
Fee-Related Activities: Materials

• Radioactive Materials
  o Specific Licenses
  o General Licenses
  o Reciprocity
  o Licensing, inspection and outreach

• Decommissioning
  o Confirmatory surveys for licensees
  o Financial Assurance verification
  o Support to federal partners (e.g., USACE, EPA)
  o Full cost recovery from licensees billed at the current professional fee of $225/hour
## Revenues vs. Expenses: Materials

### Radioactive Material and Decommissioning: Fee increase necessary*

### Revenue and Program Cost Projections

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<tbody>
<tr>
<td><strong>Beginning Bal.</strong></td>
<td>$3,285</td>
<td>$3,904</td>
<td><strong>$2,848</strong></td>
<td>$2,918</td>
<td>$2,295</td>
<td>$1,646</td>
<td>$824</td>
<td>-$180</td>
<td>-$1,373</td>
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<tr>
<td><strong>Fee Collection</strong></td>
<td>$4,413</td>
<td>$3,877</td>
<td>$3,204</td>
<td>$3,200</td>
<td>$3,200</td>
<td>$3,200</td>
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<td>$3,200</td>
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<tr>
<td><strong>Fines and Penalties</strong></td>
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<td>$0</td>
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<tr>
<td><strong>Total Revenue</strong></td>
<td>$4,546</td>
<td>$3,950</td>
<td>$3,241</td>
<td>$3,200</td>
<td>$3,200</td>
<td>$3,200</td>
<td>$3,200</td>
<td>$3,200</td>
<td>$3,200</td>
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<tr>
<td><strong>Program Costs</strong></td>
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<td><strong>Ending Bal.</strong></td>
<td>$3,904</td>
<td>$3,944</td>
<td>$2,918</td>
<td>$2,295</td>
<td>$1,646</td>
<td>$824</td>
<td>-$180</td>
<td>-$1,373</td>
<td>-$2,765</td>
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</tbody>
</table>

*Figures in thousands of dollars. Also assumes current fee rates.

**Funds moved from other areas to help support the Radiation-Producing Machines area due to its decreasing revenue.
Fee-Related Activities: Radon

Radon

- Certifying radon laboratories, mitigators and testers
- Performing routine inspections of mitigation installations, mitigation offices, testing and laboratory facilities
- Performing blind testing on radon-detection devices
- Providing diagnostic services to homeowners and requesting mitigators on difficult-to-remediate houses
- Providing “Hot Spot” surveys in areas of high radon activity
- Implementing the EPA State Indoor Radon Grant (SIRG)
- Providing free confirmatory testing to homeowners who have installed active mitigation systems and to homes with radon levels greater than 100 pCi/L
Radon

• Developing and maintaining databases for calculations, tracking data, and surveys; managing databases with IT for certification tracking.

• Providing a wide variety of public information services to increase public awareness of the radon issue.

• Technical staff provide unbiased and expert advice on all aspects of radon to the general public.

• Performing radon related research projects and contributing technical information to the radon industry.
Revenues vs. Expenses: Radon

Radon: No fee increase necessary*

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</thead>
<tbody>
<tr>
<td>Beginning Bal.</td>
<td>$2,388</td>
<td>$2,505</td>
<td>$2,849*</td>
<td>$2,845</td>
<td>$2,643</td>
<td>$2,452</td>
<td>$2,201</td>
<td>$1,889</td>
<td>$1,524</td>
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<tr>
<td>Fee Collection</td>
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<td>$241</td>
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<tr>
<td>Installation Fee#</td>
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<td>$671</td>
<td>$609</td>
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<tr>
<td>SIRG^</td>
<td>$353</td>
<td>$385</td>
<td>$468</td>
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<tr>
<td>Total Revenue</td>
<td>$1,319</td>
<td>$1,309</td>
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<td>$1,329</td>
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<tr>
<td>Program Costs</td>
<td>$1,152</td>
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<td>$1,520</td>
<td>$1,566</td>
<td>$1,613</td>
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<tr>
<td>Ending Bal.</td>
<td>$2,505</td>
<td>$2,562</td>
<td>$2,845</td>
<td>$2,643</td>
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<td>$2,201</td>
<td>$1,889</td>
<td>$1,524</td>
<td>$1,106</td>
</tr>
</tbody>
</table>

*All figures in thousands of dollars.

# $50 fee for each mitigation installation

^ State Indoor Radon Grant (SIRG)

+Funds were moved from other areas to help support the Radon area due to its decreasing revenue.
Summary

• Current fees are not adequate for the Radiation-Producing Machines or Radioactive Materials & Decommissioning Programs.
  o The Department recommends a proposed rulemaking to address the disparity between fee collection and program costs.

• Current fees will continue to be adequate for the radon program area through FY 2026/27.

• Nuclear Power Plant increase will be addressed in legislation, if necessary.
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