DETAILS OF OM&A PROJECTS – NUCLEAR

1.0 PURPOSE

This evidence provides project listings and supporting information, including business case summaries, for planned OM&A project expenditures for nuclear.

2.0 OVERVIEW

A tiered reporting structure consistent with the OEB filing guidelines has been used to present the evidence for all OM&A projects which have budgeted expenses during the test period.

- Tier 1 - Projects with a total cost of $10M or more. For these projects, summary level information is provided (see Ex. F2-T3-S3 Tables 1), as well as business case summaries (Attachment 1).
- Tier 2 - Projects with a total cost of $5M to $10M, for which summary level information is provided (see Ex. F2-T3-S3 Table 2).
- Tier 3 - Projects with a total cost of less than $5M, for which aggregated information is provided (see Ex. F2-T3-S3 Table 3).

For Tier 1 projects, Ex. F2-T3-S3 Table 1 provides information on the 17 released projects with total project cost of $10M or more. Of these 17 projects:

- Eight are ongoing projects, previously reported in EB-2007-0905.
- Five are new projects, not reported in EB-2007-0905. Further information is provided in section 3.1.
- One is previously reported in EB-2007-0905, which has been completed. Further information is provided in section 3.2.
- Three are projects that have been cancelled or deferred. Further information is provided in section 3.3.

Table 1 further indicates that:

- Six Tier 1 projects have final in-service dates in the bridge year, and five in the test period.
• No Tier 1 project has a superceding release, with an increase in project cost that is 10 per
cent or more above the initial full release.

For Tier 2 projects, Ex. F2-T3-S3 Table 2 provides information on the 16 released projects
with total project costs between $5M and $10M. With the exception of the worker safety
modifications for feedwater chemical addition project and remote emergency power
generation operating costs project, which are regulatory projects, the balance of the listed
projects is sustaining, driven by the need for system maintenance, refurbishment or
obsolescence management.

For Tier 3 projects, Ex. F2-T3-S3 Table 3 provides summary level information on the 52
projects with total project costs less than $5M, only one of which has a balance to be
released. The average value of these projects is $1.6M.

As per Ex. F2-T3-S3 Tables 4a/4b, there are a total of 28 projects categorized as "Listed
Work to be Released". These projects are currently in the project identification or project
definition phases, and detailed expenditure information by project is not available. As stated
in Ex. D2-T1-S1, OPG expects that by the test period, some of these listed projects (or other
projects yet to be identified) would move from the project identification and initiation phases
into project definition or execution phase as part of the ongoing portfolio management
process. As indicated in the table, five of these projects have potential cost greater than
$10M.

3.0 PROJECT-SPECIFIC INFORMATION - TIER 1 PROJECTS
3.1 New Projects
As indicated above, there are five additional projects that have been undertaken through the
BCS approval process since EB-2007-0905. Business case summaries are provided for
these projects in Attachment 1. Two of these projects (Projects 38456 and 40669) were listed
in EB-2007-0905 as “Listed Work to be Released”, and undertaking this new work is part of
the normal progression through the project management process, as outlined in Ex. D2-T1-
S1.
Project 62440 - Probabilistic Risk Assessment Upgrade and Project 26003 – Fire Safety Assessment Upgrade were not listed in EB-2007-0905. As outlined in the supporting information provided in Attachment 1, these projects both reflect conditions added to the Darlington operating licence by the CNSC in the most recent licence renewal for this facility. Project 62444 was also not listed in EB-2007-0905, as it is associated with the recently-approved Pickering B Continued Operations initiative.

3.2 Completed Projects

One Tier 1 project has been completed by year-end 2009. It was completed within the estimated cost approved in the initial full release.

3.3 Deferred/Cancelled Projects

Three Tier 1 projects have been deferred, cancelled or scheduled for cancellations as of year-end 2009. The business case summaries for these projects are included in Attachment 1.
LIST OF ATTACHMENTS

1
2
3  Attachment 1: Business Case Summaries
BUSINESS CASE SUMMARIES

Attached is a listing of all projects with Total OM&A Project Cost (actual or forecast) of $10M or greater (excluding P2/P3 Isolation Project, see Ex. D2-T1-S1, section 4.0). Paper copies of the business case summaries are provided in a separate binder (EB-2010-0008 Volume 4).

Note: Several attachments are marked “Confidential” because the original documents contain confidential information. The redacted versions provided as pre-filed evidence are not confidential.

OM&A BUSINESS CASE SUMMARY INDEX

<table>
<thead>
<tr>
<th>Tab No.</th>
<th>Facility</th>
<th>Ongoing Projects From EB-2007-0905</th>
<th>Project No.</th>
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<tbody>
<tr>
<td>1</td>
<td>DN</td>
<td>Environmentally-Qualified Component Replacement</td>
<td>38457</td>
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<td>2</td>
<td>PA</td>
<td>Replace Locking Tabs on Boiler Divider Plate (P1,P4)</td>
<td>49248</td>
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<tr>
<td>3</td>
<td>PB</td>
<td>Steam Generator Water Lancing</td>
<td>40645</td>
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<td>4</td>
<td>PB</td>
<td>Boiler Tab &amp; Divider Plate Repair (P7 &amp; P8)</td>
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<td>5</td>
<td>ENG</td>
<td>Digital Control Computer Aging Management</td>
<td>62553</td>
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<td>6</td>
<td>ENG</td>
<td>Inspection Qualification</td>
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<td>7</td>
<td>ENG</td>
<td>Feeder Repair by Weld Overlay Proof of Concept</td>
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Completed Projects From EB-2007-0905

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<td>8</td>
<td>DN</td>
<td>Boiler Primary Side Cleaning</td>
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Cancelled/Deferred From EB-2007-0905

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<td>9</td>
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<td>Boiler Primary Side Cleaning (formerly 38296)</td>
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<td>PA</td>
<td>Unit 4 Boiler Chemical Clean</td>
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<td>11</td>
<td>PA</td>
<td>Unit 4 Boiler Flushing</td>
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Projects Not in EB-2007-0905

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<td>12</td>
<td>EPT</td>
<td>Fire Safety Assessment Upgrade</td>
<td>26003</td>
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<tr>
<td>13</td>
<td>DN</td>
<td>Environmental Qualification Discovery Work and Scope Reduction</td>
<td>38458</td>
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<td>14</td>
<td>ENG</td>
<td>Probabilistic Risk Assessment Upgrade</td>
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<td>15</td>
<td>PB</td>
<td>Unit 7 Calandria Tube Replacement</td>
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<td>16</td>
<td>ENG</td>
<td>Fuel Channel Life Management</td>
<td>62444</td>
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