Supplemental Material
Received at the Meetings of
City Council
Redevelopment Agency
Housing Authority
Financing Authority
For

June 5, 2007

Item #32: FY07/08 Proposed Department of Utilities Operations and Capital Improvement Budgets and Utility Rate Adjustments

a. Updated protest counts and changes to resolution and report submitted by Department of Utilities staff.

b. List of options for the Council's consideration submitted by public speaker Doug Nelson.

Item #33: Jackson Laboratory

a. Jackson Laboratory brochure submitted by City staff obtained from the company.

Final Proposition 218 Notification Results (to be read into the official Record)

Total Notices Mailed	130,277	
Total Written Protests Received	153	
Less than 1%	<1%	

Changes to be read into the record

Page 56 of Utilities Resolution under Residential Weekly recycling, changed "commingled 96 gallon recycling with 32 gallon trash can" to include 64 gallon recycling with 32 gallon trash can at same rate to encourage recycling.
Page 5, Amendments to FY2007-08 Proposed CIP Budget, Added Wholesale connection fee Improvements CIP in the amount of $9,494,000.
Page 5, Amendments to FY2007-08 Proposed Operations Budget: Added Technical Adjustment to reduce $876,000 Water Fund Wholesale Revenue.

OPTIONS FOR CITY COUNCIL RE UTILITY SERVICE INCREASES

1. REJECT PROPOSAL UNTIL MORE DETAILED INFORMATION IS MADE AVAILABLE

2. ELIMINATE TAX ON WATER AND RETURN PROPOSAL FOR REVISION TO REFLECT THIS CHANGE.

3. PASS UTILITY INCREASES WITH THE STIPULATION THAT THERE BE NO MORE INCREASES FOR THE NEXT FIVE YEARS, ASSURING MONEY FOR FURTHER PAY INCREASES WILL NOT BE AVAILABLE

4. PASS UTILITY INCREASE FOR ONE YEAR AND REQUIRE FURTHER DETAIL FROM UTILITY DEPARTMENT/REVENUE DIVISION BEFORE ANY MORE INCREASES AUTHORIZED.

DOUG NELSON
6/5/07

Areas of Research Expertise

Adipogenesis
Aging Biology
Amyotrophic Lateral Sclerosis (ALS)
Alström Syndrome
Atherosclerosis
Autoimmunity
Bone Metastasis
Cancer Stem Cells
Cancers
Comparative Genomics
Developmental Biology
Diabetes 1 & 2
Embryonic Development
Epilepsy
Erythrocyte & Platelet Disorders
Eye Diseases
Gallstones
Hearing Disorders
Hematology & Hematopoiesis
Hypertension
Inflammatory Bowel Disease
Leukemias
Metabolic Diseases
Molecular Phenotyping
Mouse Genome Informatics
Neurological disorders
Obesity
Osteoporosis
Reproductive Science
Retinal Degenerations
Seizure Disorders
Skeletal Morphology
Skin & Hair Diseases
Statistical Genetics

The Jackson Laboratory

Leading the search for tomorrow's cures.

Founded in 1929, the nonprofit Jackson Laboratory is at the forefront of the genetics revolution that is transforming medicine for the benefit of humanity. With facilities in Bar Harbor, Maine and West Sacramento, California, we support world-class research, educational, and resource programs to advance understanding, prevention, therapies and cures for human diseases.

Our Research

We employ over 450 research staff, including nearly 200 staff with PhD, MD, and DVM degrees. These researchers contribute to hundreds of published discoveries each year and have expertise in a broad array of biomedical research areas (see list). Our growing number of collaborations with technical and clinical institutions continues to support the advancement of translational and applied research.

With a long time focus on cancer research, The Jackson Laboratory has served as a designated NCI Cancer Center since 1983. NCI has noted, *"The Jackson Laboratory is not only important to the national cancer effort but critical to its success."*

Our Educational Outreach

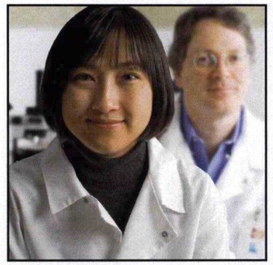
Each year, thousands of researchers from around the world participate in our educational programs in Maine, California, Massachusetts, and internationally. These programs provide both new and established investigators opportunities to learn from experts about new technologies, best practices, novel approaches, and recent discoveries in mouse-based biomedical research. Dedicated to inspiring the next generation of scientists, we support science education programs for grade school, high school, undergraduate, graduate and postdoctoral students.

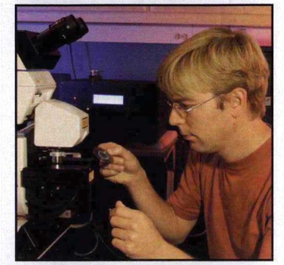
Our Resources: Mice, Services & Data

We offer the world's largest, ever-expanding collection of mouse models for biomedical research. We also provide a wide range of research services that enable other research institutions to benefit from nearly a century of our experience in mouse-based biomedical research. Our comprehensive, Web-accessible databases are used routinely by many thousands of scientists around the world. Our discoveries, resources, and technologies have contributed to 17 Nobel awards.

Bar Harbor, ME ~ West Sacramento, CA

The Jackson Laboratory

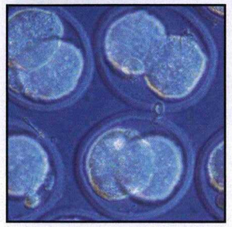




The Jackson Laboratory

Leading the search for tomorrow's cures.

Our Mission: We discover the genetic basis for preventing, treating and curing human disease, and we enable research and education for the global biomedical community.



New Models Developed at The Jackson Laboratory

Superior Model for Engrafting Human Cells: NOD-scid *IL2Rg*^{null}

This model surpasses the traditionally used immuno-deficient models by offering a superior ability to be humanized through engraftment and differentiation of human hematopoietic stem cells into mature lymphoid and myeloid cells. Due to this model's ability to support improved human lymphoid expansion, it serves as an excellent model for studying HIV and other human infectious diseases.

Novel Model for Obesity-Induced Type 2 Diabetes: RCS-10

Males of this strain provide an excellent model of polygenic human obesity-induced type 2 diabetes and human metabolic syndrome. Unlike mouse models displaying massive obesity elicited by mutations in the leptin/leptin receptor axis, this new model enables researchers to study the interactions of multiple genes associated with type 2 diabetes and moderate obesity, a very prevalent condition in Western cultures.

JAX® Mice

The Gold Standard for Biomedical Research

Over 16,000 researchers in more than 60 countries around the world rely upon The Jackson Laboratory's gold standard JAX® Mice. JAX® Mice are referenced in more than 15,000 peer-reviewed research publications (~100 new publications each week). Over 2.5 million JAX® Mice are produced to the highest standards of genetic quality and animal heath and distributed each year. A wealth of Web-accessible data resources provide detailed mouse genetics, biology, phenotype and strain characteristic information to support the use of these mice by the worldwide research community. Users of JAX® Mice also gain direct access to our knowledgeable technical support team who are backed by our world-renowned research staff.

An Ever-Expanding Collection of Thousands of Mouse Models

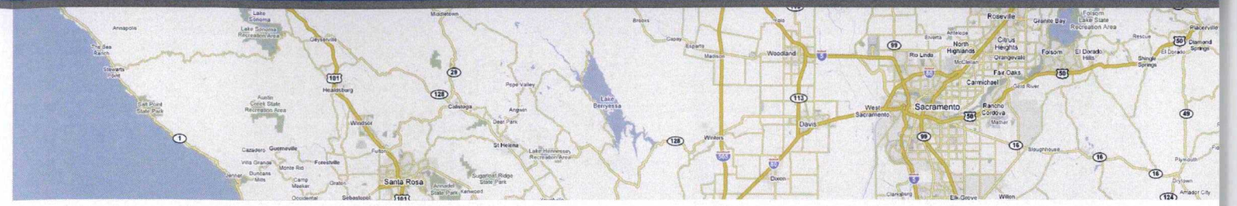
The Jackson Laboratory provides the world's largest selection of mouse models to the worldwide research community. Each year, hundreds of new mouse models, developed by our own scientists or donated by researchers from around the world, are added to the JAX® Mice repository. These models support many research areas including cancer, type 1 and type 2 diabetes, obesity, cardiovascular disease, and neurological and immune system disorders.

JAX® Services

Efficacy Testing, IVF, Reproductive Technologies, Cryopreservation, Breeding Services and more!

Researchers using JAX® Services benefit from our 75 years of expertise in mouse biology, breeding, genetics, and husbandry. Our highly qualified study directors and technical staff leverage the expertise of our world-renowned research staff and work directly with clients to develop customized or standard studies and execute them on schedule and on budget, typically more quickly and at lower cost than could be accomplished in the client's own laboratory. JAX® Services provides research support in the following ways:

- Discovering and validating drug targets
- Conducting compound efficacy testing and mouse model characterization
- Preconditioning mouse models through surgery, aging, special diets, etc.
- Exploring genetic influences on toxicity
- Handling the breeding and management of your mouse colonies using robust *in vitro* fertilization techniques and a wealth of expertise in mouse breeding.
- Performing mouse strain cryopreservation and recovery using technologies and know-how developed at The Jackson Laboratory.



JAX® West

Our Commitment to the West Coast Research Community Continues Growing!

For nearly a decade, The Jackson Laboratory's JAX® West facility has supported the west coast research community with a local supply of many popular JAX® Mice strains as well as mouse breeding and *in vivo* research services. Located in West Sacramento, California, the current 42,000 sq. ft. JAX® West facility is equipped with state-of-the-art animal procedure rooms, barrier rooms, and flexible film isolators for breeding and maintaining SPF animals. JAX® West employs over 60 technical, scientific, and support staff and has AAALAC accreditation and OLAW assurance. The Jackson Laboratory currently serves approximately 190 organizations in the state of California, including 126 companies and 68 academic institutions. Our California client list is growing continually.

To keep pace with the explosive growth in west coast biomedical research, we are relocating JAX® West to a larger facility in Sacramento, CA. This new space will be double the size of our existing facility and will house significantly enlarged mouse breeding and services operations. Our expanded JAX® *In Vivo* Services will support cancer research in addition to many other therapeutic areas currently supported including: metabolic disease (e.g., type 1 and type 2 diabetes, diabesity, phenylketoneuria), cardiovascular diseases, neurodegenerative disorders (e.g., Alzheimer's, Amyotrophic Lateral Sclerosis, Ataxia telangiectasia), and immune system disorders (e.g., arthritis, inflammatory bowel disease, alopecia areata, and asthma).

California researchers will continue to benefit from convenient, local access to JAX® *In Vivo* Services. These services provide fully customizable target validation and efficacy testing along with seamless access to the world's largest collection of specialized mouse models. JAX® *In Vivo* Study Directors are supported by scientists at The Jackson Laboratory whose collective knowledge of mouse disease models and mouse biology is unparalleled.

The Jackson Laboratory will apply for support from the California Institute of Regenerative Medicine in order to accelerate human embryonic stem cell research offering our exclusive NOD-*scid IL2Rg*^{null} to California researchers along with specialized services and training in stem cell implantation and model characterization.